

REPORT
OF THE
BOARD OF GOVERNORS
OF THE
UNIVERSITY OF
ALBERTA



Year Ended December 31, 1927

To His Honour

The Lieutenant Governor in Council.

Sir:

On behalf of the Board of Governors of the University of Alberta, and in accordance with section 31, subsection 2, of an Act respecting the University of Alberta, the undersigned have the honour to transmit to you, through the Minister of Education, the Report of the University for the year closing December 31st, 1927.

The Report consists of two parts, Part I- the Report of the President on the academic work of the University for the year ending June 30th, 1927, and Part II- the Financial Statement for the year ending December 31st, 1927.

We have the honour to remain your obedient servants,

Chairman

President.

To His Honor

The Lieutenant Governor in Council.

Sir:

On behalf of the Board of Governors of the University of Alberta, and in accordance with section 51, subsection 2, of an Act respecting the University of Alberta, the undersigned have the honour to transmit to you, through the Minister of Education, the Report of the University for the year closing December 31st, 1927. The Report consists of two parts, Part I- the Report of the President on the academic work of the University for the year ending June 30th, 1927, and Part II- the Financial Statement for the year ending December 31st, 1927. We have the honour to remain your obedient

servants,

Chairman

President.

PART I

.....:

THE REPORT OF THE PRESIDENT

.....:

To the Board of Governors
of the University of Alberta.

Gentlemen:

In accordance with the requirements of the University Act, section 66, subsection 7, I beg to submit, herewith, a report on the work of the University for the academic year ending, June 30th, 1927, the nineteenth annual report of the University, the seventeenth to your honourable body.

Staff

No changes have taken place in connection with the organization of the faculties during the current year. They stand as stated to you in the report of one year ago.

Professors.....	39
Associate Professors...	16
Assistant Professors...	13
Lecturers.....	12
Instructors.....	6
Demonstrators.....	2
	68

Library-

Librarian.....	1
Assistant Librarians.	2
Sessional help.....	3

To the Board of Governors
of the University of Alberta.

Gentlemen:

In accordance with the requirements of the
University Act, section 68, subsection 7, I beg to
submit herewith a report on the work of the University
for the academic year ending, June 30th, 1927, the
nineteenth annual report of the University, the seventeenth
to your honorable body.

Staff

No changes have taken place in connection
with the organization of the faculties during the
current year. They stand as stated to you in the
report of one year ago.

Professors.....	39
Associate Professors...	16
Assistant Professors...	18
Lecturers.....	15
Instructors.....	6
Demonstrators.....	2
	86

Library-

Librarian.....	1
Assistant Librarians.	2
Seasonal help.....	3

Extension Department-

Director.....1
Assistant Director...1
Librarian 1
Lecturer.....1

Industrial Laboratory-

Director.....1
Assistant.....1

There were in addition to the above one professor, two associate professors, thirteen assistant professors, seven lecturers, eighteen instructors and five demonstrators in the Faculty of Medicine not on the permanent staff of the University but who received a small honorarium for their services in the various laboratories and hospital departments.

In addition to the head of the Faculty of Law there were three part time lecturers who received a small honorarium for their services.

Under the direction of the Research Council of Alberta two professors devote full time to research work. This work is carried on jointly by the Government of Alberta and the University and for it special funds are provided.

Extension Department-

Director.....1
Assistant Director..1
Librarian.....1
Lecturer.....1

Industrial Laboratory-

Director.....1
Assistant.....1

There were in addition to the above one professor, two associate professors, thirteen assistant professors, seven lecturers, eighteen instructors and five demonstrators in the Faculty of Medicine not on the permanent staff of the University but who received a small honorarium for their services in the various laboratories and hospital departments.

In addition to the head of the Faculty of Law there were three part time lecturers who received a small honorarium for their services.

Under the direction of the Research Council of Alberta two professors devote full time to research work. This work is carried on jointly by the Government of Alberta and the University and for it special funds are provided.

Promotions of Staff

The following promotions of members of the staff were made by the Board of Governors during the year:

Ralph F. Shaner, Ph. D., from Associate Professor to Professor of Anatomy;

Robert McLeod Shaw, B.A., M.D.C.M., D.P.H., from Assistant Professor to Associate Professor of Bacteriology;

Reubin Sandin, M.Sc., Ph.D., from Assistant Professor to Associate Professor of Physics;

Alexander Joseph Cook, B.Sc., M.A., from Lecturer to Assistant Professor of Mathematics;

Milton Ezra Lazerte, B.A., M.A., B.Educ., Ph.D. from Lecturer to Assistant Professor of Psychology and Education.

John W. Scott, M.D., C.M., from Lecturer to Assistant Professor of Biochemistry.

Douglas Barrow Leitch, B.A., M.B. from Lecturer to Assistant Professor of Paediatrics;

Charles Watson Hurlburt, M.B. from Lecturer to Assistant Professor of Cardiology;

Harold Orr, O.B.E., M.B., D.P.H. from Lecturer to Assistant Professor of Dermatology;

Emerson Charles Smith, M.D., C.M., from Lecturer to Assistant Professor of Genito-Urinary Surgery.

Frank Hastings Hamilton Newburn, B.Sc. M.D., C.M. from Lecturer to Assistant Professor of Othopaedics;

Promotions of Staff

The following promotions of members of the staff were made by the Board of Governors during the year:

Ralph W. Shamer, Ph. D., from Associate Professor to Professor of Anatomy;

Robert McLeod Shaw, B.A., M.D., C.M., D.P.H., from Assistant Professor to Associate Professor of Bacteriology;

Rexford Smith, M.Sc., Ph.D., from Assistant Professor to Associate Professor of Physics;

Alexander Joseph Cook, B.Sc., M.A., from Lecturer to Assistant Professor of Mathematics;

Milton Ezra Laverie, B.A., M.A., B.Ed., Ph.D., from Lecturer to Assistant Professor of Psychology and Education.

John W. Scott, M.D., C.M., from Lecturer to Assistant Professor of Biochemistry.

Douglas Barrow Leitch, B.A., M.B., from Lecturer to Assistant Professor of Pediatrics;

Charles Watson Hurlburt, M.B., from Lecturer to Assistant Professor of Cardiology;

Herold Orr, O.B.E., M.B., D.P.H., from Lecturer to Assistant Professor of Dermatology;

Emerson Charles Smith, M.D., C.M., from Lecturer to Assistant Professor of Genito-Urinary Surgery.

Frank Hastings Hamilton Newman, E.Sc., M.D., C.M., from Lecturer to Assistant Professor of Ophthalmology;

Promotions of Staff (continued)

Geoffrey Bradford Taylor, M.Sc. from Instructor to Lecturer in Physics;

Eleanor Silver Dowding, M.Sc. from Instructor to Lecturer in Botany;

Margaret Hazlewood Gold, M.A. from Instructor to Lecturer in Classics.

Resignation of Staff

Miss Edith Frances Deadman, Lecturer in Household Economics;

G.F.H. Buckley, Assistant Professor of Field Crops;

A.F. McGoun, Associate Professor of Political Economy;

A. E. Jewitt, Instructor in English;

Miss Marjorie Sherlock, Sessional Assistant in English;

Miss M. Black, Lecturer in Nursing.

Leave of Absence

S.C. Morgan, Assistant Professor of Electrical Engineering, granted a year's leave of absence to pursue post-graduate work.

Promotions of Staff (continued)

Geoffrey Bradford Taylor, M.Sc. from Instructor
to Lecturer in Physics;
Eleanor Silver Dowling, M.Sc. from Instructor to
Lecturer in Botany;
Margaret Hazelwood Gold, M.A. from Instructor to
Lecturer in Classics.

Resignation of Staff

Miss Edith Frances Deadman, Lecturer in Household
Economics;
G.T.H. Buckley, Assistant Professor of Field Crops;
A.T. McGown, Associate Professor of Political
Economy;
A. R. Jewitt, Instructor in English;
Miss Marjorie Sherlock, Seasonal Assistant in
English;
Miss M. Black, Lecturer in Nursing.

Leave of Absence

S.C. Morgan, Assistant Professor of Electrical
Engineering, granted a year's leave of absence
to pursue post-graduate work.

New Appointments to the Staff

Arthur Wellesley Henry, B.S.A., M.A. (Sask.), Ph.D. (Minn.),

Assistant Professor of Plant Pathology;

John McIntyre Cassels, B.A. (Alta.) B.A. (Oxon),

Lecturer in Political Economy;

Norman McKee Stover, M.Sc. (Alta.), Ph.D., (Ill.)

Lecturer in Chemistry;

Wilfred E. Cornish, B.Sc. (Man.), Sessional Lecturer

in Electrical Engineering;

Carson E. Morrison, M.A. (McGill), Sessional Lecturer

in Civil Engineering and Mathematics;

Horatio Henry Lovat Dickson, B.A. (Alta.) Instructor

in English;

Joseph Edwin Harris, B.A. (Alta.) Sessional Assistant

in English;

Ann Shaver, B.A. (Toronto) Instructor in Household

Economics;

Alan B. Harvey, B.A. (Alta.), B.A., B.C.L. (Oxon)

Sessional Instructor in Law;

James Cottew Thompson, C.A., Lecturer in Accountancy;

George Granby Harris, C.A., Instructor in Accountancy;

Isabelle Murray, B.A. (Acadia), R.N. (Royal Victoria),

Lecturer in Nursing;

Edith Georgina Hamilton, B.A., M.D., C.M. (Alta.)

Demonstrator in Anatomy;

Herbert Edward Rawlinson, M.D., C.M. (Alta.) Demonstrator

in Anatomy;

New Appointments to the Staff

Herbert Edward Rawlinson, M.D., C.M. (Alta.) Demonstrator
in Anatomy;
Demonstrator in Anatomy;
Edith Georgina Hamilton, B.A., M.D., C.M. (Alta.)
Lecturer in Nursing;
Isabelle Murray, B.A. (Acadia), R.N. (Royal Victoria),
George Granby Harris, C.A., Instructor in Accountancy;
James Cottew Thompson, C.A., Lecturer in Accountancy;
Seasonal Instructor in Law;
Alan B. Harvey, B.A. (Alta.), B.A., B.C.L. (Oxon)
Economics;
Ann Shaver, B.A. (Toronto) Instructor in Household
in English;
Joseph Edwin Harris, B.A. (Alta.) Seasonal Assistant
in English;
Horatio Henry Lovat Dickson, B.A. (Alta.) Instructor
in Civil Engineering and Mathematics;
Garson E. Morrison, M.A. (McGill), Seasonal Lecturer
in Electrical Engineering;
Wilfred E. Gornish, B.Sc. (Man.), Seasonal Lecturer
in Chemistry;
Norman McKee Stover, M.Sc. (Alta.), Ph.D., (ILL.)
Lecturer in Political Economy;
John McIntyre Cassels, B.A. (Alta.), B.A. (Oxon),
Assistant Professor of Plant Pathology;
Arthur Wellesley Henry, B.S.A., M.A. (Sask.), Ph.D. (Man.).

Allan Day, M.B. (Toronto), Demonstrator in Obstetrics;
Gordan Bertram Thurston, L.D.S., D.D.S. (Toronto),
Demonstrator in Operative Dentistry;
Sylvester Mansfield Sneddon, L.D.S., D.D.S. (Toronto),
Instructor in Dental Ethics;
Oscar Frederick Strong, D.D.S. (Western Reserve),
Instructor in Dental Economics;

We are happy to report that the provision made last year for the appointment of a Plant Pathologist has made it possible to appoint Dr. A. W. Henry as Assistant Professor of Plant Pathology working in the Department of Field Crops under the headship of Professor Robert Newton. From the point of view of agriculture, perhaps no more important appointment has been made in recent years, as the growth of plant pests in this province goes on apace and the loss to the agricultural community is increasing year by year. Dr. Henry was appointed because of his special preparation looking to the solution of the problem of root rot.

Allen Day, M.B. (Toronto), Demonstrator in Obstetrics;

Gordon Bertram Thurston, B.D.S., D.D.S. (Toronto),

Demonstrator in Operative Dentistry;

Sylvester Mansfield Sneddon, B.D.S., D.D.S. (Toronto),

Instructor in Dental Ethics;

Oscar Frederick Strong, D.D.S. (Western Reserve),

Instructor in Dental Economics;

We are happy to report that the provision made last year for the appointment of a Plant Pathologist has made it possible to appoint Dr. A. W. Henry as Assistant Professor of Plant Pathology working in the Department of Field Crops under the leadership of Professor Robert Newton. From the point of view of agriculture, perhaps no more important appointment has been made in recent years, as the growth of plant pests in this province goes on apace and the loss to the agricultural community is increasing year by year. Dr. Henry was appointed because of his special preparation looking to the solution of the problem of root rot.

Registration by Faculties

As distributed in the various faculties
and schools the members are as follows:

Total Registration ----- 1298

By Faculties

1. Faculty of Arts and Sciences 549

B.A. and B.Sc. in Arts.....272

B. Commerce 58

B.Sc. in Household Economics.... 39

B.Sc. in Pharmacy 15

Special Students 26

Graduate Students 55

Graduate Special Students 15

Combined Courses:

Arts & Agriculture..... 1

Arts & Law 22

Arts & Medicine.....46

Arts & App. Science..... 2

Arts & Dentistry 0 71

2. Faculty of Applied Science.....126

Civil, Mining, Electrical.....122

Special Students 1

Graduate Students..... 1

Combined Courses:

Arts & Applied Science...2 2

Registration by Faculties

As distributed in the various faculties

and schools the members are as follows:

Total Registration ----- 1298

By Faculties

1. Faculty of Arts and Sciences 549

B.A. and B.Sc. in Arts.....373

B. Commerce 58

B.Sc. in Household Economics.... 39

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Special Students 26

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Combined Courses:

Arts & Agriculture..... 1

Arts & Law 22

Arts & Medicine..... 46

Arts & App. Science..... 2

Arts & Dentistry 0

2. Faculty of Applied Sciences 126

Civil, Mining, Electrical..... 122

Special Students 1

Graduate Students..... 1

Combined Courses:

Arts & Applied Science.... 2

3.	<u>Faculty of Agriculture</u>	128
	Agriculture.....	46
	B. Household Economics.....	2
	Diploma Courses.....	2
	Graduate Students.....	15
	Short Course in Dairying.....	62
	Combined Courses:	
	Arts & Agriculture.....	1
4.	<u>Faculty of Medicine</u>	253
	Medicine.....	142
	Dentistry.....	46
	Nursing Degree.....	11
	Combined Courses:	
	Arts and Medicine.....	46
	Arts for Medicine.....	8
	Arts and Dentistry....	0
	Arts for Dentistry....	<u>0</u>
		54
5.	<u>Faculty of Law</u>	63
	Law.....	40
	Combined Courses:	
	Arts and Law.....	22
	Arts for Law.....	<u>1</u>
		23

3. Faculty of Agriculture.....128

Agriculture.....	46
B. Household Economics.....	2
Diploma Courses.....	2
Graduate Students.....	15
Short Course in Dairying.....	62
Combined Courses:	
Arts & Agriculture.....	1

4. Faculty of Medicine.....153

Medicine.....	142
Dentistry.....	46
Nursing Degree.....	11
Combined Courses:	
Arts and Medicine.....	46
Arts for Medicine.....	8
Arts and Dentistry.....	0
Arts for Dentistry.....	0
	54

5. Faculty of Law.....63

Law.....	40
Combined Courses:	
Arts and Law.....	22
Arts for Law.....	1
	23

6.	<u>School of Pharmacy</u>	48
	B. Sc. in Pharmacy.....	15
	School of Pharmacy.....	33
7.	Correspondence Courses.....	98
8.	B.D.	4
9.	School of Nursing.....	62
10.	Public Health Courses in Nursing	2
		1333
	Less	
	(a) Duplicate registration in double courses.....	86
	(b) Other duplicates.....	<u>18</u>
		<u>104</u>
	Total.....	1229
11.	Summer School (1928).....	<u>69</u>
	Total.....	1298

6. School of Pharmacy.....48

E. Sc. in Pharmacy.....15

School of Pharmacy.....33

7. Correspondence Courses.....38

8. B.D. 4

9. School of Nursing.....62

10. Public Health Courses in Nursing 2

1933

Less
(a) Duplicate registration in
double courses..... 86
(b) Other duplicates..... 18
104

Total.....1939

11. Summer School (1938).....69

Total.....1998

Extension Department

In addition to the foregoing statistics in connection with the intra-mural work, the following statistics from the Extension Department are worthy of careful consideration:

Extension Lectures

Number of lectures.....	347
Aggregate attendance.....	38,405
Radio lectures.....	85
Total lectures.....	<u>432</u>

Library Services

Travelling Library Circulation....	13,879
Open Shelf Circulation.....	18,968
Total books circulated.....	32,847
Package Libraries for debaters.	557
Other Package Libraries.....	<u>594</u>
Total	1,151
Plays for amateurs supplied to communities numbering	<u>107</u> <u>1,258</u> 34,105
University Week for Farm Young People attendance.....	113

University Week for Term Young People attendance.....112

Plays for amateurs applied to
committee numbering 107 1,258 24,105

Total 1,151

Other Package Libraries.....594

Package Libraries for debaters.557

Total books circulated.....32,847

Open Shelf Circulation.....18,968

Travelling Library Circulation...13,879

Library Services

Total lectures.....482

Radio lectures.....85

Aggregate attendance.....38,405

Number of lectures.....347

Extension Lectures

careful consideration:

statistics from the Extension Department are worthy of
in connection with the intra-mural work, the following
In addition to the foregoing statistics

Extension Department

Visual Instruction

Sets of lantern slides circulated	1,758	
Number of times used	2,062	
Aggregate attendance at lantern slide lectures.....	228,225	
Sets of moving picture films circulated.....	551	
Number of times used	688	
Aggregate attendance at moving picture programs.....	<u>79,211</u>	
Total aggregate attendance.....		307,436
Lantern outfits loaned to lecturers.....	216	

Instruction in First Aid and Home Nursing

Number of persons instructed.....	530	
Certificates issued	<u>476</u>	530

Correspondence Instruction

Number of students.....	15	
Papers corrected.....	<u>120</u>	

Publications

Press Bulletins		
Number of bulletins issued 1926-27 term.....	9	
Average circulation	<u>2500</u>	
Aggregate circulation.....	22,500	
Agricultural Bulletins sent out 1926-27.....	<u>15,389</u>	37,889
Total number sent out since 1922.....	42,953	
Individual requests for bulletins 1926-27..	3,040	
Agricultural Bulletins distributed prior to 1921-22, approximately.....	25,000	

Visual Instruction

Lantern exhibits loaned to lecturers.....216
Total aggregate attendance.....307
Aggregate attendance at moving picture programs.... 79,211
Number of times used 688
Sets of moving picture films circulated..... 551
Aggregate attendance at lantern slide lectures.....228,225
Number of times used 2,062
Sets of lantern slides circulated 1,758

Instruction in First Aid and Home Nursing

Certificates issued 476
Number of persons instructed..... 530

Correspondence Instruction

Papers corrected..... 180
Number of students..... 15

Publications

Agricultural Bulletins distributed prior to 1921-22, approximately.....25,000
Individual requests for bulletins 1926-27.. 2,040
Total number sent out since 1922.....42,952
Agricultural Bulletins sent out 1926-27.....15,389 27,800
Aggregate circulation.....22,500
Average circulation.....\$200
Number of bulletins issued 1926-27 term..... 2
Press Bulletins

Recapitulation

Total aggregate attendance at lectures, lantern slide lectures, moving picture exhibitions, First Aid and Home Nursing classes, and Farm Young People Week....	346,484
Total circulation of books, package libraries and plays.....	34,105
Total circulation of Press Bulletins and Agricultural Bulletins.....	37,889

The full details of this Department will be found in Appendix II.

Reproduction

Total aggregate attendance at lectures, lantern slide	
lectures, moving picture exhibitions, West Aid and	
Home Nursing classes, and Farm Young People Week....	346,484
Total circulation of books, package libraries	
and slays.....	34,105
Total circulation of Press Bulletins and	
Agricultural Bulletins.....	37,889

The full details of this Department will be found in

Appendix II.

Summer School and Summer Session

As in previous years, the University placed the buildings and equipment, during July and August, at the disposal of the Summer School for Teachers conducted by the Department of Education.

The Summer Session of the Faculty of Arts in which courses leading to a degree were offered was continued. The registration was as follows:

<u>Registration</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>
	32	37	69
<u>First Year Courses</u>	<u>Students</u>		
Latin 1-3.....	6		
<u>Second Year Courses</u>			
Chemistry 1	11		
English 2	19		
French 5-4	6		
History 2	7		
Mathematics 7	6		
Philosophy 2	12		
Political Economy 1.....	11		
<u>Senior Courses</u>			
Ancient History 51.....	4		
Chemistry 52.....	4		
English 59	6		

Summer School and Summer Session

As in previous years, the University placed the buildings and equipment, during July and August, at the disposal of the Summer School for Teachers conducted by the Department of Education.

The Summer Session of the Faculty of Arts in which courses leading to a degree were offered was continued. The registration was as follows:

<u>Registration</u>	<u>Men</u>	<u>Women</u>	<u>Total</u>
	32	37	69

<u>First Year Courses</u>	<u>Students</u>
Latin I-2.....	6
<u>Second Year Courses</u>	
Chemistry I	11
English 2	19
French 3-4	6
History 2	7
Mathematics V	6
Philosophy 2	12
Political Economy I.....	11
<u>Senior Courses</u>	
Ancient History 51.....	4
Chemistry 52.....	4
English 59	6

Summer School (Continued)

Senior Courses

French 54.....	2
Mathematics 62.....	6
Psychology 51.....	7
Psychology 55.....	1
Political Economy 66.....	4

Summer School (Continued)

Senior Courses

French 54.....	2
Mathematics 52.....	6
Psychology 51.....	7
Psychology 53.....	1
Political Economy 56.....	4

Student Registration for the Academic Year

Ending June 30th, 1927

The following classification of the student body under various heads:- academic, social and religious will give some indication of the manifold interests that enter into the University.

Registration by Years

	<u>Men</u>	<u>Women</u>	<u>Total</u>
First Year.....	160.....	52.....	212
Second Year.....	180.....	81.....	261
Third Year.....	144.....	60.....	204
Fourth Year.....	120.....	54.....	174
Fifth Year.....	38.....	4.....	42
Sixth Year.....	15.....	0.....	15
Graduate Students.....	61.....	23.....	84
Graduate Nurses.....	0.....	2.....	2
Correspondence	55.....	43.....	98
B.D.	4.....	0.....	4
Short Course in Dairying.....	62.....	0.....	62
Diploma Course in Nursing.....	0.....	62.....	62
Special Students.....	11.....	15.....	27
Summer Session	<u>32</u>	<u>37</u>	<u>69</u>
	882	434	1316
Less duplicates.....			<u>18</u>
Total.....			1298

Student Registration for the Academic Year

Ending June 30th, 1937

The following classification of the student body under various heads: - academic, social and religious will give some indication of the manifold interests that enter into the University.

Registration by Years

	<u>Men</u>	<u>Women</u>	<u>Total</u>
First Year.....	160	52	212
Second Year.....	180	81	261
Third Year.....	144	60	204
Fourth Year.....	120	54	174
Fifth Year.....	38	4	42
Sixth Year.....	15	0	15
Graduate Students.....	61	23	84
Graduate Nurses.....	0	2	2
Correspondence.....	55	43	98
B.D.	4	0	4
Short Course in Dairying.....	62	0	62
Diploma Course in Nursing.....	0	62	62
Special Students.....	11	16	27
Summer Session.....	32	37	69
	882	434	1316
Less duplicates.....			18
Total.....			1298

Registration by Subject

Subject	Number of Course	Number of Students	Total
Accountancy	1 52	37 <u>6</u>	43
Agricultural Engineering	1 2 53	11 12 <u>5</u>	28
Anatomy	2-5 4 6-8 9 10 11 12 13 14 15 19 20 22 23 31 53 54 56 60	45 46 11 5 46 11 45 11 45 11 2 11 11 10 21 30 30 15 <u>30</u>	436
Animal Husbandry	1 2 61 62 63 65 66 67 68 69 70 111	12 14 10 12 5 4 5 7 6 2 4 <u>1</u>	82
Ancient History	51	<u>48</u>	48

Registration by Subject

Subject	Number of Course	Number of Students	Total
Accountancy	1	37	43
	53	6	
Agricultural Engineering	1	11	
	2	13	
	53	5	33
Anatomy	2-5	45	
	4	46	
	6-8	11	
	9	5	
	10	46	
	11	11	
	12	45	
	13	11	
	14	45	
	15	11	
	19	3	
	20	11	
	22	11	
	23	10	
	27	31	
	33	30	
	34	30	
	56	15	
	60	30	436
Animal Husbandry	1	13	
	2	14	
	31	10	
	32	13	
	33	5	
	35	4	
	36	5	
	37	7	
	38	6	
	39	3	
	70	4	
	111	1	33
Antient History	51	48	48

Subject	Number of Course	Number of Students	Total
Architecture	62	<u>18</u>	18
Bacteriology	1 61 53 2 31 51	73 5 8 16 19 <u>40</u>	161
Bandaging	Nurses	<u>15</u>	15
Bills and Notes		<u>28</u>	28
Biochemistry	1 2 51 52 61	44 17 22 22 <u>15</u>	120
Botany	1 2 3 4 52 102	45 28 15 3 6 <u>2</u>	99
Canadian Constitutional Law		<u>28</u>	28
Chemistry	1 2 3 5 31 51 52 54 57	159 43 64 9 19 25 35 15 2	

Subject	Number of Courses	Number of Students	Total
Architecture	62	18	18
Bacteriology	1	73	
	61	8	
	58	16	
	2	19	
	31	40	161
	51		
Engineering	113	15	15
Life and Natural History		38	38
Mineralogy	1	44	
	2	17	
	51	33	
	52	33	
	61	15	130
Physics	1	45	
	2	38	
	3	15	
	4	3	
	52	6	
	102	3	99
Political Science		33	38
Chemistry	1	159	
	2	43	
	3	64	
	5	9	
	51	19	
	51	23	
	52	25	
	54	15	
	57	2	

Subject	Number of Course	Number of Students	Total
Chemistry (cont'd)	58	37	
	59	7	
	60	9	
	61	10	
	62A	4	
	101	3	
	102	<u>3</u>	444
Civil Engineering	1	28	
	2	23	
	3	24	
	5	27	
	6	23	
	7	27	
	10	30	
	52	2	
	53	2	
	55	16	
	57	18	
	59	2	
	62	3	
	63	2	
	66	2	
	67	15	
	70	8	
	74	<u>2</u>	254
Classics in English	51	<u>63</u>	63
Clinical Medicine	51	22	
	52	22	
	53	15	
	54	<u>8</u>	67
Clinical Surgery	51	22	
	52	22	
	53	15	
	54	<u>8</u>	67

Subject	Number of Courses	Number of Students	Total
Chemistry (cont'd)	58 53 50 51 52A 101 102	37 7 9 10 4 3 <u>3</u>	444
Civil Engineering	1 2 3 5 6 7 10 52 53 55 56 59 62 63 66 67 70 74	28 22 24 27 23 27 30 3 3 16 18 2 3 2 2 15 8 <u>2</u>	324
Science in English	51	<u>63</u>	63
Clinical Medicine	51 52 53 54	22 22 15 <u>8</u>	67
Clinical Surgery	51 52 53 54	22 22 15 <u>8</u>	67

Subject	Number of Course	Number of Students	Total
Commercial Law		<u>20</u>	20
Comparative Literature	51	<u>14</u>	14
Contracts	1	<u>15</u>	15
Criminal Law	1	<u>13</u>	13
Dairying	1 53 54	11 2 <u>2</u>	15
Dentistry	1 2 3a 3b 51 52 53 54 55 56 61 62 63 64 65 67 68 69	10 10 10 10 8 8 8 8 8 8 7 7 7 7 7 7 7 <u>7</u>	144
Dermatology	Nurses	<u>11</u>	11
Drawing	2 3 4 5 6	28 1 33 33 <u>25</u>	120
Drugs and Solutions	Nurses	<u>21</u>	21

Subject	Number of Course	Number of Students	Total
Commercial Law		<u>20</u>	20
Comparative Literature	51	<u>14</u>	14
Contracts	1	<u>12</u>	12
Criminal Law	1	<u>12</u>	12
History	1	<u>11</u>	
	52	<u>2</u>	
	54	<u>2</u>	15
Philosophy	1	<u>10</u>	
	2	<u>10</u>	
	23	<u>10</u>	
	25	<u>10</u>	
	51	<u>8</u>	
	52	<u>8</u>	
	53	<u>8</u>	
	54	<u>8</u>	
	55	<u>8</u>	
	56	<u>8</u>	
	61	<u>7</u>	
	62	<u>7</u>	
	63	<u>7</u>	
	64	<u>7</u>	
	65	<u>7</u>	
	67	<u>7</u>	
	68	<u>7</u>	
	69	<u>7</u>	144
Physiology	Nurses	<u>11</u>	11
Swing	2	<u>28</u>	
	3	<u>1</u>	
	4	<u>22</u>	
	5	<u>22</u>	
	6	<u>22</u>	120
U.S. and Solutions	Nurses	<u>21</u>	21

Subject	Number of Course	Number of Students	Total
Education	53 54 55	3 6 <u>20</u>	29
Electrical Engineering	51 53 54 55 76 77 78 80 81	9 6 8 9 5 5 5 4 <u>4</u>	55
English	1 2 3 53 58 60 & 110 162 & 110 109	102 114 6 20 27 14 11 <u>5</u>	299
Entomology	1 61 62	13 9 <u>2</u>	24
Ethics	Nurses	<u>14</u>	14
Evidence	1 2	10 <u>18</u>	28
Field Husbandry	1 50 51 54 61 62 101 111 200	12 13 11 7 12 4 5 7 <u>9</u>	80

Subject

Number of
Course

Number of
Students

Total

Education

53
54
55

3
6
20

29

Electrical Engineering

51
53
54
55
56
57
58
59
60
61

9
6
8
9
5
5
4
4

55

English

1
2
3
53
58
60
62
63

103
114
6
20
27
14
11
3

333

Automotive

1
61
62

13
9
2

24

Physics

Nurses

14

14

Evolution

1
2

10
18

28

Field Work

1
50
51
54
61
62
101
111
200

12
13
11
7
13
4
5
7
3

80

Subject	Number of Courses	Number of Students	Total
French	A	80	
	1-3	87	
	5-4	94	
	44	24	
	46	23	
	51	43	
	55	25	
	101	<u>3</u>	379
Geology	32	22	
	32	23	
	51	12	
	52	4	
	53	9	
	55	5	
	56	1	
	58	<u>3</u>	79
German	A	34	
	1-3	21	
	24	4	
	54	5	
	56	2	
	57	<u>4</u>	70
Greek	1	14	
	2-4	9	
	53	4	
	101	<u>2</u>	29
History	1	87	
	2	43	
	3	31	
	53	1	
	54	16	
	56	15	
	58	24	
	101	<u>7</u>	224
History of Agriculture	1	19	
	2	11	
	51	<u>5</u>	35

Total

Number of
Students

Number of Courses

Subject

101	80	A
55	87	1-3
55	94	2-4
51	84	44
55	83	46
55	43	51
55	85	55
3	8	101

379

58	83	33
55	83	33
55	12	51
55	4	53
55	9	53
55	5	55
55	1	55
3	3	58

79

57	34	A
55	31	1-3
55	4	24
55	5	24
55	3	55
4	4	57

70

101	14	1
53	9	2-4
53	4	53
3	3	101

39

101	87	1
58	43	3
53	31	3
53	1	53
54	16	54
55	15	55
58	24	58
101	7	101

324

51	19	1
5	11	3
5	5	51

35

History of Agriculture

Subject	Number of Courses	Number of Students	Total
History of Science		<u>23</u>	23
Horticulture	2 51 52	11 3 <u>2</u>	16
Household Economics	1 2 3 36 37 51 52 55 56 57 58 59 61 62	11 15 14 21 17 13 8 10 6 6 6 6 2 <u>5</u>	140
Hygiene and Sanitation Nurses	51 53	32 25 <u>27</u>	84
Jurisprudence		<u>27</u>	27
Latin	A 1-3 2-4 36 55 105	85 86 18 20 15 <u>6</u>	230
Legal History	1 2	14 <u>18</u>	32
Massage Nurses		<u>15</u>	15

Subject	Number of Courses	Number of Students	Total
Materia Medica	1	17	
	3	46	
	4	10	
	5	18	
	51	3	
	52	<u>3</u>	97
Mathematics	1	104	
	2	29	
	7	39	
	21	35	
	22	40	
	25	26	
	26	28	
	32	28	
	53	11	
	55	15	
	56	2	
	59	12	
	61	33	
	62	5	
	65	2	
	101	3	
	103	<u>3</u>	415
Medical Jurisprudence and Toxicology	51	<u>22</u>	22
Metabolism	Nurses	<u>16</u>	16
Mining Engineering	54	6	
	56	9	
	58	2	
	59	2	
	60	2	
	63	<u>2</u>	23
Obstetrics and Gynaecology	51	22	
	52	16	
	Nurses	<u>11</u>	49

Subject	Number of Courses	Number of Students	Total
Bacteriology	1	17	97
	3	46	
	4	10	
	5	18	
	51	3	
	52	3	
Pathematics	1	104	418
	3	33	
	7	33	
	21	35	
	32	40	
	35	33	
	36	33	
	37	33	
	38	11	
	39	15	
	40	3	
	41	13	
	42	33	
	43	3	
	44	3	
	101	3	
	102	3	
Medical Jurisprudence and Toxicology	51	33	33
Metabolism	Nurses	16	16
Mining Engineering	54	6	33
	55	9	
	56	3	
	57	3	
	58	3	
	59	3	
	60	3	
	61	3	
Statistics and Gynecology	51	33	49
	52	16	
	11	11	
Nurses	Nurses		

Subject	Number of Courses	Number of Students	Total
Old and New Testament Literature	51	<u>10</u>	10
Optthalmology and Rhino-Oto-	51	22	
Oto-Laryngology	52	15	
Nurses		<u>11</u>	48
Pathology	Nurses	21	
	51	30	
	52	22	
	53	22	
	54	22	
	55	15	
	56	<u>8</u>	140
Pediatrics	Nurses	<u>17</u>	17
Personal Hygiene	Nurses	<u>14</u>	14
Pharmacy	1	17	
	2	17	
	3	30	
	4	17	
	51	3	
	52	3	
	54	3	
	55	<u>3</u>	93
Pharmacology	72	<u>22</u>	22

Subject	Number of Courses	Number of Students	Total
Philosophy	2 51 53 54 108	97 25 8 20 <u>2</u>	152
Physics	1 3 6 8 11 12 51 53 55 57 102	119 29 41 12 52 4 2 13 5 4 <u>1</u>	282
Physiology	31 41 60 62 71 72	24 2 11 1 30 <u>23</u>	91
Physical Education	1 & 2	<u>471</u>	471
Political Economy	1 2 10 51 52 63 66 70 72 102	113 9 26 10 5 37 33 8 5 <u>5</u>	251

Subject	Number of Courses	Number of Students	Total
Philosophy	2 21 23 24 108	27 22 8 20 2	152
Statistics	1 3 6 8 11 12 12 21 23 25 27 108	119 22 41 12 22 4 2 12 25 4 1	382
Botany	21 41 60 62 71 72	24 2 11 1 20 22	91
Physical Education	1 & 2	471	471
Physical Economy	1 2 10 21 22 23 26 27 28 29 30 31	112 9 22 10 2 27 22 8 2 2	221

Subject	Number of Courses	Number of Students	Total
Property	1	<u>13</u>	13
Psychiatry	Nurses 62	12 <u>15</u>	27
Psychology	Nurses 51 52 54 55 56 60 61 103 104	20 29 17 7 14 10 30 13 1 <u>1</u>	132
Sales		<u>28</u>	28
Soils	51 52 53 54	10 10 4 <u>7</u>	31
Suretyship		<u>28</u>	28
Therapeutics	51 52	22 <u>15</u>	37
Torts	1	<u>13</u>	13

Subject	Number of Courses	Number of Students	Total
Geometry	1	<u>13</u>	13
Algebra	Nurses 63	<u>13</u> <u>13</u>	27
Geology	Nurses 51 53 54 55 56 60 61 103 104	30 33 14 7 4 10 30 13 1 <u>1</u>	133
English		<u>38</u>	38
Latin	51 53 53 54	10 10 4 <u>7</u>	31
History		<u>38</u>	38
Science	51 53	33 <u>13</u>	37
Art	1	<u>13</u>	13

Subject	Number of Courses	Number of Students	Total
Toxicology	1 61	17 <u>8</u>	25
Tuberculosis	Nurses	<u>11</u>	11
Urology	Nurses	<u>11</u>	11
Veterinary Science	1 51	10 <u>7</u>	17
Wills		<u>19</u>	19
Zoology	1 2 3	63 27 <u>57</u>	147

Subject	Number of Courses	Number of Students	Total
Botany	1	<u>17</u>	17
Chemistry	1	<u>8</u>	8
Physiology	1	<u>11</u>	11
Microbiology	1	<u>11</u>	11
Pathology	1	<u>11</u>	11
Pharmacology	1	<u>10</u>	10
Physiology	1	<u>7</u>	7
Pathology	1	<u>19</u>	19
Physiology	1	<u>68</u>	68
Chemistry	1	<u>27</u>	27
Physiology	1	<u>57</u>	57
			147

The Religious Affiliation of the Students in the University
as shown by their Registration Cards.

United Church of Canada	491
Presbyterian	234
Church of England	200
Roman Catholic	69
Baptist	56
Hebrew	28
Lutheran	23
Greek Orthodox	17
Christian Science	11
Church of Jesus Christ of Latter Day Saints	5
Greek Catholic	5
Unitarian	4
Nazarene	3
Mennonite	3
Church of Christ	2
Evangelical	2
Salvation Army	2
Free Thinker	1
Brethren	1
Pentecostal Church of God	1
Agnostic	1
Moravian	1

The Religious Affiliation of the Students in the University
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491	United Church of Canada
234	Presbyterian
200	Church of England
69	Roman Catholic
56	Baptist
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23	Lutheran
17	Greek Orthodox
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5	Church of Jesus Christ of Latter Day Saints
5	Greek Catholic
4	Unitarian
3	Nazarene
3	Mennonite
2	Church of Christ
2	Evangelical
2	Salvation Army
1	Free Thinker
1	Brethren
1	Pentecostal Church of God
1	Agnostic
1	Noravian

Buddhist	1
Protestant	73
None	11
Not specified	<u>72</u>
	1316
Less duplicates	<u>18</u>
Total	1298

The Jewish People in the Diaspora

1	Buddhist	1
2	Protestant	73
3	Roman Catholic	11
4	Not specified	73
5		1316
6	Less duplicates	18
7	Total	1334
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
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19		
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37		
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47		
48		
49		
50		

Registration of Students According to National Origin

The following classification of the student body shows to what a large extent the province is still dependent upon immigration, the vast majority of our students having come here with their parents from other countries. The numbers born in the various countries mentioned are indicated by the figures opposite their names:

1. British Empire -----1053

(a) Canada 876

Alberta	363
Ontario	246
Manitoba	82
Saskatchewan	47
Nova Scotia	41
British Columbia	38
Quebec	26
New Brunswick	20
Prince Edward Island...	12
Yukon Territory	1

The 363 from Alberta were distributed as follows:

Edmonton	96
Calgary	41
Medicine Hat	26
Lethbridge	11
Pincher Creek	10
Vegreville	10
Wetaskiwin	10
Red Deer	9
Banff	8
Macleod	8
Lacombe	7
Innisfail	6
Ponoka	5
Claresholm	4
Lamont	4
Leduc	4
Fort Saskatchewan	4
Stettler	4

Registration of Students According to National Origin

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1. British Empire -----1053

(a) Canada 876

363	Alberta
246	Ontario
83	Manitoba
47	Saskatchewan
41	Nova Scotia
38	British Columbia
26	Quebec
20	New Brunswick
12	Prince Edward Island
1	Yukon Territory

The 363 from Alberta were distributed as follows:

96	Edmonton
41	Calgary
26	Medicine Hat
11	Lethbridge
10	Pincher Creek
10	Vegreville
10	Wetaskiwin
9	Red Deer
8	Banff
8	Macleod
7	Lacombe
6	Innisfail
5	Ponoka
4	Clarksburg
4	Lamont
4	Beano
4	Fort Saskatchewan
4	Stettin

Strathcona	4
Didsbury	3
Lloydminster.....	3
Mundare.....	3
Namoo	3
Okotoks	3
Olds	3
Chipman	2
Coleman	2
Donalda	2
Ferrybank	2
Frank	2
Gleichen.....	2
High River	2
Nanton	2
Star	2
Staveland	2
Waskatenau	2
Wainwright.....	2

and one from each of the following towns: (50)

Beaver Hill, Beaver Lake, Beverley, Blackfalds, Blackie,
 Bremner, Bruderheim, Camrose, Cardston, Carstairs, Cayley,
 Content, Coronation, Crossfield, Daysland, DeWinton,
 Gadsby, Gilby, Granum, Gwynne, Hardisty, Heather Brae,
 Innisfree, Kitscoty, Lavoie, Lockhart, Loughlin,
 Mannville, Markerville, Morley, Olaton, Paken,
 Red Lodge, Round Hill, Shalika, Soda Lake, Spring Coulee,
 Spruce Grove, Stonelaw, Stoney Plain, Taber, Three Hills,
 Tofield, Vermilion, Veteran, Walsh, Wayne, Westlock, Winterburn.

(b) Other parts of the British Empire.....177

England.....	105
Scotland.....	38
Ireland.....	19
Wales.....	5
Newfoundland.....	3
India.....	3
Australia..l.....	2
New Zealand.....	1
Gibraltar.....	1

2. Foreign Countries ----- 219

(a) United States.....173

Minnesota.....	21
North Dakota... ..	18
Iowa.....	14
Nebraska.....	13
Pennsylvania.....	11
Washington.....	11
Illinois.....	10
Michigan.....	9
Missouri	7
Oklahoma.....	6
Idaho.....	4
Kansas.....	4
Montana.....	4
New York.....	4
Ohio.....	4
California.....	3
Colorado.....	3
Oregon.....	3
South Dakota.....	3
Vermont.....	3
Wisconsin.....	3
Kentucky.....	2
New Jersey.....	2
Utah.....	2
Virginia.....	2
Connecticut.....	1
Indiana.....	1
Maine.....	1
Massachusetts.....	1

2. Foreign Countries ----- 219

(a) United States..... 178

1	Massachusetts.....
1	Maine.....
1	Indiana.....
1	Connecticut.....
2	Virginia.....
2	Utah.....
2	New Jersey.....
2	Kentucky.....
2	Wisconsin.....
2	Vermont.....
2	South Dakota.....
2	Oregon.....
2	Colorado.....
2	California.....
4	Ohio.....
4	New York.....
4	Montana.....
4	Kansas.....
4	Idaho.....
6	Oklahoma.....
7	Missouri.....
9	Michigan.....
10	Illinois.....
11	Washington.....
11	Pennsylvania.....
12	Nebraska.....
14	Iowa.....
18	North Dakota.....
21	Minnesota.....

(b) Other parts of the British Empire..... 177

1	Gibraltar.....
1	New Zealand.....
2	Australia.....
2	India.....
2	Newfoundland.....
2	Wales.....
12	Ireland.....
28	Scotland.....
105	England.....

Texas	
West Virginia.....	1
Wyoming.....	1

(b) Foreign Countries other than the United States....46

Russia.....	9
Denmark.....	7
Japan.....	7
Ukraine.....	6
Norway.....	3
Switzerland.....	3
Roumania.....	2
Sweden.....	2
Argentina.....	1
Austria.....	1
Germany.....	1
Holland.....	1
Persia.....	1
Poland.....	1
Portugese W.Africa.....	1

3. Countries not specified ----- 44

1316

Less duplicates 18

Total ----- 1298

Texas..... 1
 West Virginia..... 1
 Wyoming..... 1

(b) Foreign Countries other than the United States....40

Russia..... 9
 Denmark..... 7
 Japan..... 7
 Ukraine..... 6
 Norway..... 5
 Switzerland..... 3
 Romania..... 3
 Sweden..... 3
 Argentina..... 1
 Austria..... 1
 Germany..... 1
 Holland..... 1
 Persia..... 1
 Poland..... 1
 Portuguese W.Africa..... 4

3. Countries not specified ----- 44

1316

Less duplicates 18

Total ----- 1298

Registration of Students by Occupation of Parents.

Farmers and Ranchers.....	245
Merchants.....	103
Physicians and Surgeons.....	42
Civil Servants.....	34
Railway Employees.....	33
Retired.....	24
Clergy.....	22
Insurance Brokers.....	22
Carpenters.....	19
Barristers.....	18
Contractors.....	18
Real Estate Agents.....	16
Teachers	16
Managers.....	15
Agents.....	13
Dentists.....	13
Commercial Travellers.....	12
Accountants.....	9
Engineers.....	9
Lumbermen.....	9
Veterinary Surgeons.....	9
Druggists.....	8
Grain Dealers.....	8
Lumber Merchants.....	8

Registration of Students by Occupation of Parents.

8	Number Merchants.....
8	Grain Dealers.....
8	Druggists.....
2	Veterinary Surgeons.....
2	Turnermen.....
2	Engineers.....
2	Accountants.....
12	Commercial Travelers.....
12	Dentists.....
12	Agents.....
12	Managers.....
12	Teachers.....
12	Real Estate Agents.....
18	Contractors.....
18	Barristers.....
12	Carpenters.....
22	Insurance Brokers.....
22	Clergy.....
24	Retired.....
22	Railway Employees.....
34	Civil Servants.....
42	Physicians and Surgeons.....
102	Merchants.....
242	Farmers and Ranchers.....

Miners.....	8
Business.....	6
Gentlemen.....	6
Machinists.....	6
Mechanics.....	6
Postmasters.....	6
Secretary-Treasurers.....	6
Bookkeepers.....	5
Clerks.....	5
Editors.....	5
Hotel Proprietors.....	5
Judges.....	5
Painters	5
Wholesale Grocers.....	5
Architects.....	4
Brokers.....	4
Furriers.....	4
Harness Makers.....	4
Merchant Tailors.....	4
Millers.....	4
Police.....	4
Live-Stock Commissioners.....	4
Mining Engineers.....	3
Motormen.....	3
Printers.....	3
Publishers.....	3

8	Miners.....
6	Business.....
6	Gentlemen.....
6	Machinists.....
6	Mechanics.....
6	Postmasters.....
6	Secretary-Treasurers.....
5	Bookkeepers.....
5	Clerks.....
5	Editors.....
5	Hotel Proprietors.....
5	Judges.....
5	Painters
5	Wholesale Grocers.....
4	Architects.....
4	Brokers.....
4	Furniture.....
4	Harness Makers.....
4	Merchant Tailors.....
4	Millers.....
4	Police.....
4	Live-Stock Commissioners.....
3	Mining Engineers.....
3	Motormen.....
3	Printers.....
3	Publishers.....

Salesmen.....	3
Station Agents.....	3
Artists.....	2
Bakers.....	2
Bursars.....	2
Court Reporters.....	2
Herdsmen.....	2
Mill Foremen.....	2
Restaurant Owners.....	2
Surveyors.....	2
Undertakers.....	2
Warehousemen.....	2
Watchmakers.....	2
Assistant Sheriff.....	1
Auditor.....	1
Band Sawyer.....	1
Barber.....	1
Billiard Room Proprietor.....	1
Blacksmith	1
Brewer.....	1
Bridge Foreman.....	1
Butcher.....	1
Buyer.....	1
Chauffer.....	1
Civil Engineer.....	1
Clerk to Holy Orders.....	1
Dairyman.....	1
Display Man.....	1

Display Men.....	1
Deliveryman.....	1
Clerk to Holy Orders.....	1
Civil Engineer.....	1
Chaffier.....	1
Buyer.....	1
Butcher.....	1
Bridge Foreman.....	1
Brewer.....	1
Blacksmith.....	1
Billiard Room Proprietor.....	1
Barber.....	1
Band Sawyer.....	1
Auditor.....	1
Assistant Sheriff.....	1
Watchmakers.....	2
Warehousemen.....	2
Undertakers.....	2
Survivors.....	2
Restaurant Owners.....	2
Mill Foremen.....	2
Herdsmen.....	2
Count Reporters.....	2
Brassers.....	2
Bakers.....	2
Artists.....	2
Station Agents.....	2
Seamen.....	2

Draftsman.....	1
Electrical Engineer.....	1
Electrician.....	1
Elevator Operator.....	1
Fisherman.....	1
Florist.....	1
Garage Proprietor.....	1
Inspector.....	1
Livestock Dealer.....	1
Magistrate.....	1
Mason.....	1
Mechanical Engineer.....	1
Mill Shipper.....	1
Millwright.....	1
Mine Operator.....	1
Mortgage Inspector.....	1
Musician.....	1
Pattern Maker.....	1
Sawmill Operator.....	1
Shoemaker.....	1
Steam Engineer.....	1
Teamster.....	1
Telegrapher.....	1
Deceased.....	65
Not Specified.....	<u>314</u>
	1316
Less duplicates.....	<u>18</u>
Total-----	1298

Total-----1298

Less duplicates.....18

1276

Not Specified.....314

Deceased.....65

Telegrapher.....1

Teamster.....1

Steam Engineer.....1

Shoemaker.....1

Sawmill Operator.....1

Pattern Maker.....1

Insician.....1

Mortgage Inspector.....1

Mine Operator.....1

Millwright.....1

Mill Shipper.....1

Mechanical Engineer.....1

Mason.....1

Magistrate.....1

Livestock Dealer.....1

Inspector.....1

Garage Proprietor.....1

Historist.....1

Fisherman.....1

Elevator Operator.....1

Electrician.....1

Electrical Engineer.....1

Draftsman.....1

Convocation

The Convocation for the year was held on May 13th
1927.

Total number of degrees granted:

In course.....	183
Ad sundem.....	11
Diplomas in Pharmacy.....	16
Diplomas in Agriculture..	2
Diplomas in Nursing.....	7
Diplomas in Public Health Nursing.....	2

The following persons were admitted to degrees
in the University:

Admitted to the degree of Bachelor of Arts

Adam, Beatrice Monica (Second Class Honours in History)
Austin, Myra Katherine
Bell, Frances Isobel
Borden, Florence (First Class Honours in Modern Languages)
Butler, Eugenie Louise (Second Class Honours in English)
Calhoun, Inez Lucia
Capsey, Mary Ernestine (Second Class Honours in Mathematics)
Coone, Wilma Margaret (unclassified Honours in Latin and French
and Latin and German)
Craig, Carman Dixon (Second Class Honours in English)
Cumming, Irene (First Class Honours in History)
Gazely, Berta Claire Victoria
Hinke, Lydie Margaret
McCallum, Josie Janet Sinclair
McCray, Arminda Jane
Miller, Esther
Moorhouse, Josephine Franklin
Newhouse, Eva (Second Class Honours in French and Latin)
Newhouse, Lottie
Nichols, Erma Lucile
Nix, Mabel Naomi
Roberts, Margaret Myfanwy
Robinson, Thelma Berkeley
Rudolph, Nancy

Convocation

The Convocation for the year was held on May 13th

1927.

Total number of degrees granted:

183	.....	In course.....
11	.....	Ad eundem.....
16	.....	Diplomas in Pharmacy.....
3	.....	Diplomas in Agriculture.....
7	.....	Diplomas in Nursing.....
2	.....	Diplomas in Public Health Nursing.....

The following persons were admitted to degrees

in the University:

Admitted to the degree of Bachelor of Arts

Adam, Beatrice Monica (Second Class Honours in History)

Anstin, Myra Katherine

Bell, Frances Isabel

Borden, Florence (First Class Honours in Modern Languages)

Butler, Eugenie Louise (Second Class Honours in English)

Celhorn, Inez Lucia

Gapsey, Mary Ernestine (Second Class Honours in Mathematics)

Goone, Wilma Margaret (unclassified Honours in Latin and French and Latin and German)

Gratig, German Dixon (Second Class Honours in English)

Griming, Irene (First Class Honours in History)

Gazely, Berta Claire Victoria

Hinke, Lydia Margaret

McCallum, Jessie Janet Sinclair

McCreay, Arminde Jane

Miller, Walter

Moorhouse, Josephine Franklin

Newhouse, Eva (Second Class Honours in French and Latin)

Newhouse, Lottie

Nichols, Emma Lucille

Nix, Mabel Naomi

Roberts, Margaret Wynne

Robinson, Thomas Berkeley

Rudolph, Nancy

Secord, Imogene
Shillington, Frances Anna
Simenstin, Goldie
Smith, Edith Irene
Stewart, Harriet Ellen (Second Class Honours in French
and Latin)
Taylor, Gwendolyn Gertrude
Thrasher, Mildred May
Wertenbach, Dorothy Esther (Second Class Honours in History)
Williams, Eleanor Mae
Wood, Henrietta Elizabeth
Auxier, George William
Begg, Gavin
Bullock, John Thornton
Carlson, Carl Emmanuel
Caspar, Jacob (First Class Honours in Classics)
Chappel, Nelson Thomas
Dickson, Horatio Henry Lovat (First Class Honours in English)
Harback, Frank Roxburgh
Harris, Joseph Edwin (First Class Honours in English)
Henderson, Russell Douglas
Klinck, William Raymond (Second Class Honours in Classics)
Liesemer, Aylmer John Eggert
Lyle, Guy Redvers
MacKenzie, Kenneth Currie (Second Class Honours in English)
Morrison, Donald McLean
Peterson, Edwin Nestor
Philp, Clarence Wendell
Pratt, Kenneth Ewart
Scarborough, Charles Morton
Stuart, Charles Eric
Weinlos, Chaim Wolf
Wright, Robert James Legate

Admitted to the Degree of Bachelor of Arts, Ad Eundem.

Eddy, Earl Bronson
Goresky, Isidore William
Longmore, Roderick Hector
MacLellan, Winnifred Hope
Ogden, John Francis
Schneider, Reinhold
Vincent, Sister Teresa

Admitted to the Degree of Bachelor of Arts, AB Eundem.

Vincent, Sister Teresa
Schneider, Reinhold
Ogden, John Francis
MacGellan, Winnifred Hope
Longmore, Robert Hester
Gorecky, Isidore William
Bddy, Earl Bronson

Wright, Robert James Legate
Weinlos, Chaim Wolf
Stuart, Charles Eric
Scarborough, Charles Morton
Pratt, Kenneth Ewart
Philp, Clarence Wendell
Peterson, Edwin Nestor
Morrison, Donald McLean
MacKenzie, Kenneth Currie (Second Class Honours in English)

Lyle, Guy Roberts
Liesemer, Aylmer John Egbert
Klinck, William Raymond (Second Class Honours in Classics)
Henderson, Russell Douglas
Harris, Joseph Edwin (First Class Honours in English)

Harbeck, Frank Roxburgh
Dickson, Horatio Henry Lovat (First Class Honours in English)
Chappel, Nelson Thomas
Gasper, Jacob (First Class Honours in Classics)

Garrison, Carl Emmanuel
Bullock, John Thornton
Bege, Gavin

Anxier, George William
Wood, Henriette Elizabeth
Williams, Eleanor Mae
Werthebach, Dorothy Esther (Second Class Honours in History)
Thresher, Mildred May
Taylor, Gwendolyn Gertrude

Stewart, Harriet Ellen (Second Class Honours in French and Latin)
Smith, Edith Irene
Simenstam, Goldie
Shillington, Frances Anna
Secord, Imogene

Admitted to the degree of Bachelor of Science in
in Agriculture, Ad Eundem.

Hay, W. D.
Leggatt, Cyril Wilmer
Newman, Arthur
Palmer, Assel Exile

Admitted to the Degree of Bachelor of Commerce.

Kellam, Daisy Rosamond
Matthews, Mary Elaine
Culver, Edward Stanley (First Class Honours in
Political Economy)
Davies, William John
Glass, Lester Smith
Kellam, Elmo Claude
McAra, John Beattie
McEwen, Kenneth Milton
Nielson, Jene Barnhard Ditlev
Willis, Arthur Robert

Admitted to the Degree of B.Sc. in Pharmacy.

Carlisle, John Abner
Goldberg, William David

Admitted to the Degree of B.Sc. in Household Economics.

Deane, Madge Rideout
Fanning, Geneva Mary
Folkins, Jean Elizabeth
Osborne, Phylis Grace
Race, Marjorie Ashwell
Young, Dorothy Selfridge

Admitted to the Degree of Doctor of Dental Surgery.

Ahrens, Arthur Christian
Burstein, Joseph
Calhoun, Whitmore Pipes, B.A.
Gerrie, John Wilfrid, B.A.
Smith, Lister Emslie
Sutherland, Gordon D.
Wiklinson, Egbert

Admitted to the Degree of Bachelor of Science in
in Agriculture, AB Eundem.

Hay, W. D.
Leggett, Cyril Wilmer
Newman, Arthur
Palmer, Asael Exile

Admitted to the Degree of Bachelor of Commerce.

Kellam, Daisy Rosemond
Matthews, Mary Elaine
Culver, Edward Stanley (First Class Honours in
Political Economy)
Davies, William John
Glas, Lester Smith
Kellam, Elmo Claude
Kears, John Beattie
McNown, Kenneth Milton
Nielson, Jane Bernhard Ditlev
Willie, Arthur Robert

Admitted to the Degree of B.Sc. in Pharmacy.

Carlisle, John Abner
Goldberg, William David

Admitted to the Degree of B.Sc. in Household Economics.

Deane, Madge Ridgout
Fanning, Geneva Mary
Tolkins, Jean Elizabeth
Osborne, Phyllis Grace
Race, Marjorie Ashwell
Young, Dorothy Selridge

Admitted to the Degree of Doctor of Dental Surgery.

Ahrens, Arthur Christian
Brustein, Joseph
Calkoun, Whitmore Ripes, B.A.
Gertie, John Wilfrid, B.A.
Smith, Ester Emalie
Sutherland, Gordon D.
Wikinson, Egbert

Admitted to the Degree of Bachelor of Science in Arts.

Craig, Dorothy Dixon
Jamieson, Ida Marion
Weir, Marjorie Fraser
Allin, Bardley Samuel
Barnett, Bernard John
Boyd, Robert Wallace
Brown, Charles Bruce
Caley, John Fletcher
Chambers, Allan Langmuir
Conquest, George Rienzi
Crang, Charles Lane
Hamilton, Reginald Clarence
Hargarten, Benedict Wilfrid
Harwood, Robert Unwin
Irwin, Frederick Paget
Jewitt, Walter
Klingaman, Glenn William
Macaulay, Mordoch Grant
Morrison, John Gilchrist
Reiber, Harold George (First Class Honours in Chemistry)
Russell, Loris Shano
Thomson, Robert Kenneth
Tinkham, Ernest Robert
Watt, Reginald George
Woodford, Raymond Sven (First Class Honours in Physics)
Wright, George Edwin Kinney

Admitted to the Degree of Bachelor of Laws.

Adam, James Don, B.A.
Bloor, William Gordon Keen, B.A.
Bright, Aubrey Harry, B.A.
Cairns, James Mitchell, B.A.
Campbell, Amadeus Damian
Cameron, Donald Murray
Cromarty, William Bramwell, B.A.
Cross, Edwin Edmund, B.A.
Davies, Percy Griffith, B.A.
Henderson, Russell Douglas, B.A.
Hyndman, Louis Davies
Harrison, Robert Henry Charles
Johnson, Horace Gilchrist
Marshall John Campbell McKinnon
Morrison, John Alexander
Mitchell, Robert Richmond, B.A.
Ross, William Stanley, B.A.
Shabaz, Robert
Tavender, Edward Rusling, B.A.
Wilson, Ernest Brown, B.A.
Williamson, James Owen, B.A.
Wyman, Elmer Sam Manuel (with Distinction)

Admitted to the Degree of Bachelor of Science in Arts.

Wright, George Edwin Kinney
 Woodford, Raymond Sven (First Class Honours in Physics)
 Watt, Reginald George
 Tinkham, Ernest Robert
 Thomson, Robert Kenneth
 Russell, Louis Shano
 Reider, Harold George (First Class Honours in Chemistry)
 Morrison, John Gilchrist
 Macaulay, Murdoch Grant
 Klingman, Glenn William
 Jewitt, Walter
 Irwin, Frederick Paget
 Harwood, Robert Urwin
 Hargarten, Benedict Wilfrid
 Hamilton, Reginald Clarence
 Grant, Charles Lane
 Conquest, George Riemel
 Chambers, Allan Langmuir
 Gale, John Fletcher
 Brown, Charles Bruce
 Boyd, Robert Wallace
 Barnett, Bernard John
 Allen, Barclay Samuel
 Weir, Marjorie Trease
 Jamieson, Ida Marion
 Craig, Dorothy Dixon

Admitted to the Degree of Bachelor of Laws.

Wyman, Elmer Sam Murrel (with Distinction)
 Williamson, James Owen, B.A.
 Wilson, Ernest Brown, B.A.
 Tsvander, Edward Ruelling, B.A.
 Shabar, Robert
 Ross, William Stanley, B.A.
 Mitchell, Robert Richmond, B.A.
 Morrison, John Alexander
 Marshall, John Campbell McKinnon
 Johnson, Horace Gilchrist
 Harrison, Robert Henry Charles
 Hyndman, Louis Davies
 Henderson, Russell Douglas, B.A.
 Davies, Percy Griffith, B.A.
 Cross, Edwin Edmund, B.A.
 Cromarty, William Brewster, B.A.
 Cameron, Donald Murray
 Campbell, Amadeus Damian
 Cairns, James Mitchell, B.A.
 Bright, Aubrey Harry, B.A.
 Bloor, William Gordon Keen, B.A.
 Adam, James Don, B.A.

Admitted to the Degree of Doctor of Medicine.

Anderson, Roy Llewellyn
Crawford, Daniel James McGregor
Davies, Charles Edgar
Flater, Nathan Frank
Haworth, George Clarence
Hollies, Edward Gardiner, B.A.
MacDonald, William Alexander
McKenzie, Charles Hugh
MacLean, Randall Roberts
Nix, Harold Leake
Rawlinson, Herbert Edward
Sprague, Percy Harry
Tallman, Frank Ford
Verchomin, John
Wilson, Andrew Russell

Admitted to the Degree of Bachelor of Science in Nursing.

Alexander, Frances Elizabeth
MacLeod, Agnes Jean, B. A.

Admitted to the Degree of Master of Arts.

Steele, Ethel Mildred, B.A.
Frame, William Edward, B.A.
Oke, David Jason Wesley, B.A.
Jeffery, Charles Vernon, B.Com.
Putland, Arthur Dingsley, B.A.
Reilly, Charles Frederick, B.Sc.
Schneider, Reinhold, B.A.
Stephens, Sydney Campbell, B.Com.
Swift, William Herbert, B.A.

Admitted to the Degree of Master of Science.

Clarke, Alfred Ernest, B.A.
Froman, Darol Kenneth, B.Sc.
Leahy, Alfred, B.Sc.
Lehmann, John Adolph Victor, B.Sc.
Stacey, Clifford Earl, B.A.
Thomas, Downa Hathaway, B.Sc.

Admitted to the Degree of Doctor of Medicine.

Anderson, Roy Alwellyn
Crawford, Daniel James McGregor
Davies, Charles Edgar
Elster, Nathan Frank
Haworth, George Clarence
Holles, Edward Gardner, B.A.
MacDonald, William Alexander
McKenzie, Charles Hugh
MacLean, Randall Roberts
Nix, Harold Leslie
Rawlinson, Herbert Edward
Sprague, Percy Henry
Tallman, Frank Ford
Verdomin, John
Wilson, Andrew Russell

Admitted to the Degree of Bachelor of Science in Nursing.

Alexander, Frances Elizabeth
MacLeod, Agnes Jean, B.A.

Admitted to the Degree of Master of Arts.

Steele, Ethel Mildred, B.A.
Treme, William Edward, B.A.
Oke, David Jason Wesley, B.A.
Jeffery, Charles Vernon, B.Com.
Futland, Arthur Dingley, B.A.
Reilly, Charles Frederick, B.Sc.
Schneider, Reinhold, B.A.
Stephens, Sydney Campbell, B.Com.
Swift, William Herbert, B.A.

Admitted to the Degree of Master of Science.

Clarke, Alfred Ernest, B.A.
Homan, Carol Kenneth, B.Sc.
Lesney, Alfred, B.Sc.
Lehmann, John Adolph Victor, B.Sc.
Stacey, Clifford Earl, B.A.
Thomas, Downs Hathway, B.Sc.

Admitted to the Degree of Bachelor of Education.

Bagnall, Lucy, M. A.
Lazerte, Milton Ezra, M.A.
Smith, Herbert Edgar, M.A.

Admitted to the Degree of Bachelor of Science in
Civil Engineering.

Drew, Alfred William
Gale, Melvin Lambeth

Admitted to the Degree of Bachelor of Science in
Electrical Engineering.

Kunst, Frank
McPherson, Alexander Ferrier
Moorhouse, Cecil Earl
Willis, John Douglas

Admitted to the Degree of Bachelor of Science in
Mining Engineering.

Hunter, Harry Melville
Selmes, Walter Engval, B.A.
White, Clarence Edward

Admitted to the Degree of Bachelor of the Science
of Agriculture (B.S.A.)

Fetherstonhaugh, James Erland
McGall, James Russell

Admitted to the Degree of Bachelor of Science
in Agriculture.

Edgar, James Edward
Fawcett, William Cornelius
Holmes, Cecil Randolph Macdonald
Kindt, Lawrence Elliott
McLaughlin, John Harold, B.A.
Roxburgh, Douglas Brant
Syrotuck, Michael
Wilson, Byron Harrison

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Bazette, Milton Earl, M. A.
Smith, Herbert Edgar, M. A.

Admitted to the Degree of Bachelor of Science in
Civil Engineering.

Grew, Alfred William
Gale, Melvin Kenneth

Admitted to the Degree of Bachelor of Science in
Electrical Engineering.

Kunst, Frank
McPherson, Alexander Forster
Moorehouse, Cecil Earl
Willis, John Douglas

Admitted to the Degree of Bachelor of Science in
Mining Engineering.

Hunter, Harry Melville
Selmes, Walter Engval, B. A.
White, Clarence Edward

Admitted to the Degree of Bachelor of the Science
of Agriculture (B.S.A.).

Petherstonhugh, James Erlend
McGill, James Russell

Admitted to the Degree of Bachelor of Science
in Agriculture.

Egger, James Edward
Tawcett, William Cornelius
Holmes, Cecil Randolph MacDonald
Kint, Lawrence Elliott
McDonald, John Harold, B. A.
Roxburgh, Douglas Brant
Syrstuck, Michael
Wilson, Byron Harrison

Admitted to the Degree of Bachelor of Household Economics (B.H.Ec.

Shearer, Alice Emma

Admitted to the Degree of Doctor of Laws, Honoris Causa.

The Honourable William Egbert, M.B., M.D., C.M.
Lieutenant-Governor of Alberta

The Honourable Nicholas Dubois Beck, LL.B.,
Chancellor of the University

Diploma in Agriculture

Nance, William Theodore
Newham, Luther

Diploma in Nursing.

Beach, Edith
Clements, Loraine
Hawrysh, Doris
Kallman, Hannah
Litster, Agnes
Mallory, Kathryn
Smith, Jean

Diploma in Pharmacy.

Boylan, John Harold
Bryan, Willoughby Charles
Bullock, Gerald Frederick
Caldwell, David Byron
Dawson, James Albert
Edwards, Gordon
Fedorchuk, Panko
Halliday, Robert Frederick
Hedderick, John Bruce
James, Herbert Cecil
Millward, Thomas
Moderwell, William Hassen
Pauls, Victor Albert
Steeves, William Burpee
Shore, Laurence McCourt
Waterbury, Harold Edmund

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Clements, Lorraine
Hawrysh, Doris
Kallman, Herman
Littler, Agnes
Malloy, Kathryn
Smith, Jean

Diploma in Pharmacy.

Boylan, John Harold
Bryan, Willoughby Charles
Brillock, Gerald Frederick
Caldwel, David Byron
Dawson, James Albert
Edwards, Gordon
Fedorchuk, Benko
Halliday, Robert Frederick
Hedgerick, John Bruce
James, Herbert Cecil
Millward, Thomas
Moberwell, William Hassan
Palla, Victor Albert
Steeves, William Bruce
Shore, Lawrence McCourt
Waterbury, Harold Edmund

Diploma in Public Health Nursing.

Grant, Olive, R.N.
Watherston, Olive Fell, R.N.

Professional Examinations

Since Convocation 1926, the following persons have passed the examinations for Licence to Practise conducted by the University on behalf of the Affiliated Professional Societies:

Accountancy- Kinnaird, G.D.K.; Lucas, W.L.; Smith, F.A.

Architecture- Branton, W.

Dentistry- Sheehan, E.J.

Land Surveying- Humphreys, W.

Nursing- Armstrong, F.R.; Aronson, E.; Baird, E.J.
Bannen, E.; Boulton, H.; Bowman, P.;
Brown, B.A.; Brown, J.McM.; Burger, E.I.;
Buss, F.M.; Byjorkgren, H.; Capsey, L.G.;
Carr, E.; Christie, E.A.; Clark, E.M.;
Copley, A.M.; Cowen, G.; Creswell, J.;
Dale, L.; Daly, K.M.; Davidson, E.;
Eastman, R.L.; Erickson, C.W.; Favell, M.E.;
Fenton, I.; Fenton, J.M.; Folkina, M.H.;
Gordon, D.M.; Graham, M.I.; Grove, T.A.;
Haslam, M.S.; Heacock, F.M.;
Henderson, A.P.; Hickey, E.M.; Hunt, F.M.;
Jackson, I.; Jardine, J.B.; Jenkins, L.;
Johnstone, E.E.; Kenma, E.M.; Lee, R.S.;
Leonard, E.W.; MacDonald, M.I.; Magnusson, N.
Marchant, G.A.; Marrs, E.M.; McColl, A.T.;
McDonald, A.Q.; McDonald, T.; McGarrity, M.A.;
McGillivray, A.M.; McKee, A.C.; McLean, M.;
McMurray, M.E.; McNaughton, R.; McWhinnie, F.
Melstead, V.; Miles, F.B.; Morris, B.C.;
Mullen, M.M.; Pallon, R.M.; Paterson, M.C.;
Patterson, E.E.; Percival, K.D.; Perry, O.M.;
Phipps, D.V.; Piper, L.M.; Popson, G.;

Diploma in Public Health Nursing.

Grant, Olive, R.N.
Wetherston, Olive Bell, R.N.

Professional Examinations

Since Convocation 1926, the following

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Practice conducted by the University on behalf of the
Affiliated Professional Societies:

Accountancy- Kimmaird, G.D.K.; Innes, W.E.; Smith, T.A.

Architecture- Branton, W.

Dentistry- Sheehan, E.J.

Land Surveying- Humphreys, W.

Nursing-

Armstrong, E.R.; Aronson, E.; Baird, E.J.
Barnes, E.; Boulton, E.; Bowman, E.
Brown, B.A.; Brown, J.M.M.; Burger, E.I.;
Euse, E.M.; Bjorkgren, H.; Gagey, L.G.;
Garr, E.; Christie, E.A.; Clark, E.M.;
Gopley, A.M.; Cowen, G.; Cresswell, J.;
Dale, L.; Daly, K.M.; Davidson, E.;
Eastman, R.L.; Erickson, G.W.; Favel, M.E.;
Fenton, I.; Fenton, J.M.; Follins, M.H.;
Gordon, D.M.; Graham, M.I.; Grove, T.A.;
Haslam, M.S.; Hascock, T.M.;
Henderson, A.P.; Hickey, E.M.; Hunt, T.M.;
Jackson, I.; Jardine, J.B.; Jenkins, I.;
Johnstone, E.E.; Kenna, E.M.; Lee, R.S.;
Leonard, E.W.; MacDonald, M.I.; Magnusson, W.;
Merchant, G.A.; Murray, E.M.; McGill, A.T.;
McDonald, A.G.; McDonald, T.; McGarity, M.A.;
McGillivray, A.M.; McKee, A.C.; McKean, M.;
McMurray, M.E.; Menzies, R.; McWhinnie, E.J.
Melsted, V.; Miles, T.B.; Morris, B.C.;
Miller, M.M.; Pallen, R.M.; Paterson, M.G.;
Patterson, E.E.; Percival, K.D.; Perry, O.M.;
Phipps, D.V.; Piper, L.M.; Robson, G.

Nursing (cont'd) Reid, F.E.; Robertson, D.M.; Roy, E.M.;
Schlichtman, L.A.; Scotter, S.E.;
Short, A.M.; Seames, M.; Splane, C.;
Stoness, A.L.; Stuckey, V.; Surens, L.;
Sweet, M.; Trent, E.V.; Vivash, R.F.;
Walker, E.; Ward, R.M.; Wheatley, M.;
Wheeler, O.L.; White, D.P.; Wiertz, E.M.;
Williams, T.E.; Witts, D.; Wright, E.

Academic Work.

The reports of the various Deans in connection with their respective faculties indicate that the scholastic work of the University has been carried on with the usual amount of success. The percentage of those passing the examinations and obtaining high standing is about the same as in previous years.

With regard to the Faculty of Law, the outstanding fact is that each year the number of students taking the combined course in Arts and Law is steadily increasing. 60% of the students in the final year in Law, last year, had already taken the Arts degree. We hope that the time is not far distant when this will be the practice for all students entering upon the study of Law.

In the Faculty of Medicine there were two signal events to be recorded during the year one, the graduation of the first class of seven students in the Department of Dentistry and the other, the graduation of our first two students for the B. Sc. degree in Nursing. It will be recalled that the course for the B.Sc. in Nursing was put on for the purpose of giving ambitious nurses the opportunity to take higher scientific courses.

It is reported with pleasure that last year all of the graduates of the Faculty of Medicine who went up for the Dominion Council succeeded in passing the examinations. This makes it possible for them to practise in any province in Canada without further examination.

Academic Work.

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It is reported with pleasure that last year all of the graduates of the Faculty of Medicine who went up for the Dominion Council succeeded in passing the examinations. This makes it possible for them to practice in any province in Canada without further

examination.

In the Faculty of Applied Science there is a steady growth again in the number of students. The registration stood at one hundred and twenty-six as against one hundred and thirteen in the preceeding year. It is fully anticipated that from now on the Faculty of Applied Science will grow in numbers.

Attention is called to the fact that during the past three years a complete survey of teaching in the Engineering Schools on the North American continent has been carried on by the Society for the Promotion of Engineering Education of North America by means of funds provided by the Carnegie Foundation. As the result of this investigation certain significant facts have been disclosed that seem to be of sufficient importance to mention in this report. It was found that the average elimination of students entering the Engineering Colleges is over 60% or over 60% of the entrants never finish for a degree. It is quite clear that inadequately trained students are being permitted to enter engineering colleges. In Alberta we have tried to forestall this by insisting upon senior matriculation for entrance to the Faculty of Applied Science or one full year in the Faculty of Arts, where elimination takes place before the Engineering faculty is entered. A marked demand and tendency to include some purely cultural studies in Engineering curricula was also found and an expressed desire on the part of Engineering Schools to pay more attention to the study of Economics. This investigation will be continued and will be watched with great interest by the Engineering Schools

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where elimination takes place before the Engineering
Applied Science or one full year in the Faculty of Arts,
upon senior matriculation for entrance to the Faculty of
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In the Faculty of Agriculture the outstanding feature has been the amount of research work carried on under the auspices of the faculty in addition to the routine of teaching work. It is an interesting fact that forty-five of our graduates in Agriculture to date are now taking or have taken graduate work. A list of the researches being carried on under the faculty will be found in Appendix I.

in Canada and will no doubt, when completed, reflect itself in the arrangement of our courses of study. In the Faculty of Agriculture the outstanding feature has been the amount of research work carried on under the auspices of the faculty in addition to the routine of teaching work. It is an interesting fact that forty-five of our graduates in Agriculture to date are now taking or have taken graduate work. A list of the researches being carried on under the faculty will be found in Appendix I.

Freshman Committee

It will be recalled that some years ago a Senate committee was organized known as the Freshman Committee for the purpose of giving guidance and direction to students coming to the University for the first time. Previous experience had shown us that many students arrived at the University without any clear conception of what they wanted other than a general desire for an education and a belief that a course at the university would be helpful to them in after life. Many of these found difficulty in adjusting themselves from the high school stage into the life of the University. The freshman Committee was to constitute an advisory body for the purpose of directing students in connection with their courses. A further duty was imposed upon them, that of serving as a check upon students who came to the University without serious intention with regards to their studies. If at the end of a period of time any student does not show desire or aptitude for serious work the committee is empowered to communicate with the parents and request them to withdraw the student from the University. Each year a questionnaire is prepared and submitted to the incoming students in order to ascertain just what their aim in life is as a basis upon which guidance and help can be given. The work of the Committee is very onerous but is faithfully carried out by a group of those who are teaching freshman classes. The statistics gathered will be found in Appendix V of this report and are worthy of careful study on the part of those interested in student life.

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Students Studying Abroad

A number of students of the University of Alberta are studying in foreign universities, some as the result of scholarships awarded within the Province and others having obtained scholarships or fellowships from the universities where they are now pursuing a course of study. The following list of those studying and the auspices under which they are studying is an indication of the growth of this tendency on the part of our Honour students:

Under the Rhodes Scholarship system a three years' course of study has been made available to Messrs. E. H. Gowan and Clarence Campbell.

Be reason of a scholarship granted by the Imperial Order of the Daughters of the Empire, Miss Marjorie Sherlock is pursuing post graduate study at Oxford University.

Miss Florence Bordon, B. A. '27 is studying in France under the Bursary offered by the French Government.

A number of our graduates in Agriculture are taking post-graduate work in American universities. Messrs. H. A. Gray, B.Sc.; W. F. Hanna, M.Sc.; G.A. Mail, B.Sc and B. H. Wilson, B.Sc. are pursuing studies at the University of Minnesota; Messrs. John Howe, B.Sc., and W Martin B. Sc. are at the University of Iowa; while G. F. H. Buckley is at the University of California.

Miss Leone C. McGregor, M.D., C.M. '25 is proceeding towards her Ph. D. Degree, having obtained a fellowship in the Department of Pathology, University of Minnesota.

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Miss Leone C. McGregor, M.D., C.M., '25 is proceeding towards her Ph. D. Degree, having obtained a Fellowship in the Department of Pathology, University of Minnesota.

L. S. Russell, B. Sc. '27 is pursuing his studies at Princeton University having secured a continuous scholarship in the Department of Geology of the Institution.

Mr Leslie Bell, B. Sc., and Mr. I. F. Jones, B. Sc. are continuing their work in Geology at the University of Toronto by reason of scholarship grants from the National Research Council.

Mr J. O. G. Sanderson, B. Sc. is finishing his Ph.D. at the University of Toronto.

Mr Jack Lehmann, M. Sc. '27 has received a scholarship at the University of Toronto and is continuing work on Plant Diseases in the Department of Botany.

Mr. S. C. Morgan, M. Sc. '23 is pursuing post-graduate work at the Institute of Technology, Pasadena, Cal.; Mr. L. E. Kindt, B. Sc. '27 is at the University of Minnesota; Mr. W. M. Kutz, B. Sc. '25 at the University of Wisconsin; and Mr. B. J. Mair, B. Sc. '23 and Mr. H. D. McKay, B. A. '24 are at Harvard University.

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Mr. H. D. McKey, B. A. '24 are at Harvard University.

Discipline

The discipline of the University has continued to be much as in former years and I believe is quite up to the standard of that in any of the universities in Canada. There have been no offences of a serious nature. Within the University Residence the House Committee has continued to function as a controlling body. It is to be commended for diligence and good-will in seeking to maintain the proper standard of conduct with the residence. There are however a few students, fortunately only a few, whose presence is without detrimental to the best interests of student life. It is our intention to refuse admission to the University Residence, next year, to one or two offenders who have made it difficult for the House Committee to properly function.

In connection with the maintenance of discipline I should like to mention the work being done by Lt. Col. Dunn of the C. O. T. C. whose discussions with the students on conduct and deportment have had an excellent effect. The weekly gatherings of the C. O. T. C. give him a rare opportunity to speak effectively on such matters.

Further, I should like to emphasize the work being done by Mr. L. H. Nicholls, our University Organist, During the winter, regular weekly recitals took place and during the Spring examination period five special recitals were given in the late afternoons of the examination days. the obvious appreciation of the recitals on the part of the

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students is ample justification for the cost of the Memorial Organ and I am sure must give great satisfaction to those who contributed towards it. Without question the disciplinary effect of these organ recitals, quite apart from the cultural value, is very great.

The Students' Union

The report of the President of the Students' Union indicates general satisfaction with the work of the Union and with the Various organizations coming under it. The representatives of the University won the Imperial Debate again against the representatives of the British universities. In athletics, the University team won the Provincial Championship in Rugby, the Duggan Cup in University Hockey and during the Track Meet, last autumn, our students made the best showing they have yet made. The work of the Dramatic Club and of the musical organizations of the University is to be commended.

There has been some dissatisfaction expressed at the small attendance at the Students' Union meetings and the suggestion has been made that instead of having meetings of the whole student body a representative system should be organized through which the business of the Union would be conducted.

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Medical Services

During the session the usual high standard of the Medical Services was maintained.

Ninety-one cases were treated in the Infirmary of which seventy-seven were resident and fourteen non-resident students.

The Resident Physician made approximately four hundred visits to the Infirmary and thirty-six to non-resident students. He gave 2119 treatments for various kinds ailments of these 1784 were to resident students and 335 to non-resident students.

For example, some of the infirmities treated were as follows:

Appendicitis, Bronchitis, Chicken-Pox, Eczema, Gastritis, Herpes Zoster, Indigestion, Infected Antrum, Influenza, Injury to Ankle, Injury to Knee, Laryngitis, Mastoiditis, Muscular Rheumatism, Neurosis, Perineal Abscess, Pleurisy, Rheumatism, Scarlet Fever, Septic Eye, Septic Foot, Sinusitis, Tonsillitis, Varicose Veins.

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The Library

The report of the librarian shows that the library at present is being taxed to its capacity both from the point of view of reading accommodation and space in which to properly house our books. During the year, additional shelving has been crowded into the stock room in order that accommodation for incoming books might be found. Further, the library is housed now in five different places, the main library in the Arts Building, the agricultural library in one of the laboratories and the Law library in a separate room by itself in the Arts Building, the medical library in a separate room in the Medical Building and the Research library in the Mining Research Laboratories. One of the immediate pressing needs will be to find additional library space. The time is not far distant when a separate library building will become anecessity. As things stand now an increase of 5 % in the student body would make the library situation from the point of view of reading space a very acute one.

During the year, substantial progress has been made with the programme of binding the technical periodicals which are in the library. The bindery arrangement established in the Printing Department have worked out eminently satisfactorily from a binding point of view and equally satisfactory from a financial point of view. It has reduced the cost of binding almost 50%.

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Canadian Universities Conference

The Canadian Universities Conference was held from May 31st to June 2nd at Western University, London, Ont. Four delegates were present from the University of Alberta, viz., Dr. Töry, Dean Rankin, Dean Boyle and Dr Broadus. One of the leading features of the Conference, this year, was a paper on "The Teaching of English" by Dr. Broadus. The purpose of the paper was to state the difficulties in connection with the teaching of English in a new country like Canada and to offer a definite programme for the solution of the problem. It is the intention of the authorities in the University of Alberta to try out the plan during the coming year. The paper created great interest and was regarded by the conference as a very notable contribution. By an unanimous resolution, it was authorized to be printed and circulated to all the universities of Canada.

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Gifts, Prizes and Scholarships.

Prizes

The Russel Roberts Caldwell Memorial Scholarship to the value of \$50 was given by Dr. A. L. Caldwell in memory of his brother, Second Lieutenant Russel Roberts Caldwell, R. F. C. killed during the Great War. This Scholarship is open to students of the Faculty of Arts and Sciences who have obtained satisfactory standing in certain courses in Mathematics. The award will be made on the recommendation of the Department of Mathematics.

A prize to the value of \$25, to be known as the "Raymond James" prize, was given by Mrs. E. L. Fitzsimon, LL.B. (Alta) in memory of her brother. This prize will be awarded to the student in the final year in Law who writes the best essay on some subject connected with Equity.

The Edmonton Section of the Council of Jewish Women have offered an annual Scholarship to the value of \$50 to the student who takes the highest standing in the work of the Second Year of the Faculty of Arts and Sciences, provided that to secure the award an average of not less than 75% be obtained on the work of the year. Further, the award will be contingent on the student proceeding with the work of the third year.

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Gifts

From Mr. F. H. Peters, Surveyor General, Topographical Survey, Ottawa, the gift of a set of Canadian Topographical Maps to the value of \$60.

Valuable donations have been made to the Geological Museum by graduates, students and friends of the University. They are as follows:

From Mr. L. S. Russell, B.Sc., 1927, now at Princeton University, of Princeton, N. J.

1. Collection of fossil mollusca, about 100 specimens including several specimens from the fresh-water Tertiary of England.
2. Collection of about 100 invertebrate fossils other than mollusca.
3. Collection of Paskapoo mollusca from Calgary and Red Deer districts, over 100 specimens.
4. Collection of Paskapoo vertebrates, including:

(a) From Calgary district:

6 mammal teeth, several undescribed.

Numerous crocodile teeth,

Champosaurus bones

Turtle remains,

Amphibian vertebrae

Fish teeth and vertebrae.

(b) From Red Deer district:

Type of *Stylomyleodon lacus Russell* (impress)

Numerous associated fish remains

5. Collection of chemical apparatus and chemicals
6. Hand painted drawing of Gorgosaurus by himself from his own restoration. Almost a complete specimen of this dinosaur is in our museum collection of dinosaur skeletons.

From Judge Lucien Dubuc, Edmonton, Alta.

1. Tepee used by Chief Poundmaker
2. Bronze tablet of Senator A. E. Forget, first lieutenant-Governor of the North West Territories.
3. Colored drawings of Indian Chief Tecumseh and an Indian snake dance.

These articles were obtained for the University Museum by Judge Dubuc from Mme. Forget.

4. One birchbark canoe from Aklavik, N.W.T.

From Mr. G. S. Keen, Tulham Park, South Cooking Lake
Alta.

1. A number of stone arrow points dug up at South Cooking Lake.

From George Stevenson, Lake Wabamun, Alta.

A number of chipped flint and stone arrow points obtained by the donor from Indian "Barehead".

Chipped quartzite arrow points found at Kapasiwin, Alta.

(d) From Red Deer District:

Type of Stylopyleodon lacus Russellii (impress)

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From Judge Union Dubuc, Edmonton, Alta.

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From Mr. G. E. Keen, Indian Park, South Cooking Lake

Alta.

1. A number of stone arrow points dug up at South Cooking

Lake.

From George Stevenson, Lake Weisman, Alta.

A number of chipped flint and stone arrow points obtained

by the donor from Indian "Barabed".

Chipped quartzite arrow points found at Kapaewin, Alta.

From Professor N. C. Pitcher, Edmonton, Alta.

Metal arrow point found at Lake Wabamun, Alta.

From Mr C. E. White, B.Sc. 1927, and Mr. R. E. Walton
fifth year Mining student:

Slab of fossil plant from the Kootenay, Canmore, Alta.

From Mr S Thomson, Watino, Alta.

Fragment of mammoth tusk ploughed up at Smoky Lake, Alta.

From Mr A. C. Pitkanj, Calder, Alta.

Large concretion excavated at Carvel, Alta.

From Mr. F. W. Ebbutt, Britannia Mining & Smelting
Company Ltd., Britannia Beach, B. C.

Suite of Britannia ores and country rock.

From Major J. Lowry, B.A. '13 c/o The Home Oil Company,
Calgary, Alta.

Sample of crude oil from Home Oil Wells No. 1, Turner
Valley, Alta.

From Dr. P. D. Moore, Geologist Imperial Oil Co., Calgary,
Fossils.

From Hundon's Bay-Marland Oil Company, Edmonton,
Large collection of fossils from North-western Alta.

From Professor M. O. Fisher, Edmonton, Alta.

Metal arrow point found at Lake Weisman, Alta.

From Mr. O. E. White, B.Sc. 1927, and Mr. E. M. Walton

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Slab of fossil plant from the Kootenay, Kamour, Alta.

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From Hurdon's Bay-Merland Oil Company, Edmonton,

Large collection of fossils from North-western Alta.

From Mr. J. M. Turnbull, Gilford, Alta.

One large fossil specimen, Placentiaceras Whitfieldi, From Blood Indian Creek, South of Youngstown, Alta.

From the Scientific and Industrial Research Council of Alberta, Edmonton.

Large slab containing footprints of Paleocene mammal, found by Dr. R. L. Rutherford and Mr. L. S. Russell in Red Deer Valley.

Mr Louis Trudel presented a fine buffalo robe to the University in appreciation of the Broadcasting of a French play by Dr. Sonet's students.

The University was named as the beneficiary of the residue of the Dr. J. E. State Estate, Fort Assiniboine property, consisting of

- (a) N.W $\frac{1}{4}$ Section 1, T. 62, R. 6, W 5th Meridian;
- (b) That portion of the S. W. $\frac{1}{4}$ Section 1, T. 62, R. 6., W 5th Meridian, lying north of the left bank of the Athabasca River;
- (c) W. $\frac{1}{2}$ Section 12, T. 62, R. 6, W 5th Meridian;
- (d) The sum of \$58.95.

The Provincial Red Cross Society has entered into an agreement with the University to provide \$9,500 for the erection of an addition to the wing of the University Hospital to be used as an orthopaedic ward for children.

The Library is in receipt of the following gifts:

From the Hispanic Society of America: a valuable collection of its publications on Spanish and Spanish-American literature and art. This donation included valuable reproductions of rare books and manuscripts.

From McGill University and Iowa State College: medical books and journals, bound and unbound, in all amounting to about two hundred volumes.

From His Honour Dr. R. G. Brett: about one hundred medical books.

From Dr. Simpson, Lacombe: a collection of International Clinics for the Medical Library.

Through Mr. C. R. Walrod, Rockyford: a collection of old German books, including a volume of Patacelsus dated 1589.

Dr. Casey Wood, Montreal: Sample of Singalese medical manuscript on palm leaves.

From Miss Kate Stephens, New York: four of her books.

From Judge Dubuc: Several old Canadian volumes.

From the Canadian Committee on Modern Languages: 1st publication.

From Dr. H.M. Tory: two scientific volumes.

From Mr. Dixon Craig: volumes of Institute of Canadian Engineers. These books are scarce and valuable.

From Dr. F. C. B. Reed, Cambridge, England: numbers of Cambridge Philosophical Society Journal.

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From Dr. J. P. Johnstone, Dr. C Geggie and Dr. A. R. Munro:
Parts of medical Journals.

Single volames from: Dr Ralph Shaner, Dr. Heber Jamieson,
Dr. R. K. Gordon, Dr. J. J. Ower and Mr. Alfred Coutts.

Publications of the Staff

Attention has been repeatedly called to the amount of original work being done by the university staff. The Following list of publications shows that in the respect the University stands high among the universities of Canada.

The work represented in these publications was mainly done in the spare time of the teaching staff without compensation and often without any financial provision for equipment. The whole of the work done in the Biochemical Laboratories as well as the necessary equipment has been provided through the generous donation to research of the royalties on insulin by the discoverer of the important therapeutical agency. The National Research Council provided the means for carrying on most of the fundamental research work done in the Agronomy Department. For the work done under the various literary departments we are indebted to the libraries of some of the American universities, especially the University of Chicago whose loans of books to us have been continuous and generous beyond praise. For research in the Department of Physics we are indebted almost wholly to the National Research Council for funds to purchase equipment. The same applies to the metallurgical investigations in the Department of Mining. The heads of some of these Departments have made for themselves international reputations.

In the last three years there has been obtained for research purposes from sources outside the University altogether an amount of approximately \$70,000.

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PUBLICATIONS BY THE UNIVERSITY STAFF

President Tory:

"Education and Research," article in the
Pulp and Paper Magazine, 1927.

Report of the National Research Council,
1926-27, published by the Dominion Government.

The Department of Agricultural Engineering

By Professor J. MacGregor Smith:

"Plows and Plowing," University of Alberta
Agricultural Bulletin No. 6 (Third and
Revised Edition).

"The Use of Rope on the Farm," University of
Alberta Agricultural Bulletin, No. 9
(Second and Revised Edition).

The Department of Anatomy

By Professor R. F. Shaner:

"Lamarck and the Evolution Theory,"
Scientific Monthly, Vol. XXIV (pages 251-255)
March, 1927.

The Department of Animal Husbandry

By Professor J. P. Sackville:

"Steer Feeding Problems", University of Alberta
Agricultural Bulletin No. 13.

"The Production of ~~Fall~~ Pigs in Alberta"
University of Alberta Agricultural Bulletin
No. 7 (Revised Edition).

The Department of Bacteriology

By Dr. A. C. Rankin, Dean of the Faculty of Medicine

"Report on B.C.G." to the Associate Committee on
Tuberculosis, National Research Council, Ottawa.
May, 1927.

"The interchange of Medical Teachers", Paper presented
to the Eleventh Conference of Canadian Universities,
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"The Vegetation of Alberta"

11. "The Swamp, Moor and Bog Forest Vegetation of
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Department of English

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By Professor F. A. Wyatt, A. S. Ward and
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By Professor F. A. Wyatt, Dr. F. D. Newton,
and Dr. J. A. Allan with J. L. Doughty, A.S.Ward
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By Professor F. A. Wyatt, A. S. Ward, and
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"Nitrate Production Under Field Conditions in Soils of
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"On Photoperiodism, Reproductive Periodicity, and the Annual Migrations of Birds and certain Fishes." Proceedings of the Boston Society of Natural History, Vol. 38, No. 6, pp. 147-189. December, 1926.

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The University Hospital

The University Hospital has had on the whole a very successful year. During this period, 1,976 patients were treated, an increase of 4,654 patient days over 1926, the total number of patient days being 62,517. The increase is due very largely to an increase in the number of S. C. R. patients with also a considerable increase in the number of orthopaedic patients.

One outstanding feature is the decrease of 10% in the city patients and a corresponding increase in the number of provincial patients. 140 indigent patients were treated during the year, totaling 4,424 patient days, constituting a loss to the Hospital of \$10,263.68. The number of patients days for orthopaedic cases was 9,118. For these cases the Hospital received only \$1.00 per day.

The following figures show the work done in the various departments during the year:

	<u>Increase over 1926</u>
Operations.....	1,505.....186
X-Ray examinations and treatments..	5,064.....2,035
Physiotherapy treatments.....	1,635.....1,122
Massage treatments.....	4,290.....750
Our-Door Department Patients.....	3,521.....717
Out-Door Department new patients..	1,362.....48

One of the difficulties which beset the Hospital in common with the other hospitals in the Province is the Difficulty of discharging indigent patients not requiring active treatment. During 1927, we were forced to keep 9% of the patients in the hospital longer than was necessary there being no place to which incurables and patients suffering from minor disabilities could be sent. Apparently, the general opinion concerning a hospital for incurables is that it is an old people's home. The difference between an old people's home and a place for incurables is that one requires some nursing attention and the other requires merely the ordinary services connected with the active operation of the home. Judging from the experience of our own hospital, there must be 100 cases in the various hospitals in the city which could be looked after for one half the cost of carrying them in active treatment hospitals. The worst feature about the situation is that active treatment cases are prevented from entering the hospital because of the presence of these incurable cases.

The Board is greatly handicapped in the operation of the hospital due to the absence of a home for the nurses. The nursing staff, including the charge sisters and nurses in training, are compelled to live out of the hospital, part of them in Pembina Hall and part in a rented building in the city. The Hospital would function much more economically if a permanent home for nurses could be built on the University grounds, as the cost of running nurses quarters is considerable and at the same time the constant coming and going means less of time on the part of the nurses.

Public Health Laboratories

The work done in the Public Health Laboratories again shows a large increase for the current year. This was anticipated, last year, due to the new regulations of the Department of Public Health requiring post-operative examination of diseased tissue in the case of surgical Post operative examinations of diseased tissue in the case of surgical operations.

The Report of the Director of the Provincial Laboratories will be found in Appendix III. It Shows that the total number of examinations for the year was 29,403, an increase of 3,944 or approximately 14% over last year.

The Following table, taken directly from the Director's Report, shows the great variety of work carried on in the Provincial Laboratories. It will be seen that the value of the work done on the basis of minimum laboratory prices was \$132,270., an increase of approximately \$7,000. over last year. The Vote for this work made by the legislature, last year, was \$36,000.

In addition to providing for the work done directly in the Public Health Laboratories the vote mentioned above includes the cost of work done in the Industrial Laboratories to the Attorney General's Department and the Alberta Liquor Control Board. The work done for these two departments, if paid for at regular laboratory rates, would cost at least an additional \$7,500.

Public Health Laboratories

The work done in the Public Health Laboratories again shows a large increase for the current year. This was anticipated, last year, due to the new regulations of the Department of Public Health regarding post-operative examination of diseased tissue in the case of surgical Post-operative examinations of diseased tissue in the case of surgical operations.

The Report of the Director of the Provincial Laboratories will be found in Appendix III. It shows that the total number of examinations for the year was 32,403, an increase of 3,244 or approximately 11% over last year.

The following table, taken directly from the Director's Report, shows the great variety of work carried on in the Provincial Laboratories. It will be seen that the value of the work done on the basis of minimum laboratory prices was \$132,370., an increase of approximately \$7,000. over last year. The Vote for this work made by the Legislature, last year, was \$36,000.

In addition to providing for the work done directly in the Public Health Laboratories the vote mentioned above includes the cost of work done in the Industrial Laboratories to the Attorney General's Department and the Alberta Liquor Control Board. The work done for these two departments, if paid for at regular laboratory rates, would cost at least an additional

APPENDIX

ESTIMATED COMMERCIAL VALUE OF WORK IF MINIMUM CHARGES WERE MADE.

MATERIAL	Number of Specimens	Price per Specimen	TOTAL
TUBERCULUM	589	\$2.00	\$ 1,178.00
PTHERIA	1,087	2.00	\$ 2,178.00
PHOID FEVER	232	2.00	\$ 464.00
TERS	1,230	15.00	\$ 18,450.00
ELKS	895	5.00	\$ 4,475.00
OTHERS MILK	55	2.00	\$ 110.00
SCCELLANEOUS EXAMINATIONS	2,077	5.00	\$ 10,385.00
TEARS FOR THE PRESENCE OF GONOCOCCUS	2,485	2.00	\$ 4,970.00
OODS FOR THE WASSERMANN TEST	10,176	5.00	\$ 50,880.00
THOLOGICAL HISTOLOGICAL	5,035	5.00	\$ 25,175.00
DICO LEGAL EXAMINATIONS	8	5.00	\$ 40.00
TERUS INDEX DETERMINATION	2,709	1.00	\$ 2,709.00
N DEN BERGH DETERMINATION	2,709	3.00	\$ 8,127.00
G VACCINE (\$3.00-20cc)	2,430cc	3.00	\$ 363.00
typhoid VACCINES (25cc Qunt)	4,690cc	5.00	\$ 940.00
TOGENOUS VACCINES (25cc Qunt)	3,050cc	15.00	\$ 1,830.00
VACCINES NOT INCLUDED	29,287		\$132,270.00

tal value	1926	\$135,323.00
tal value	1927	\$132,270.00
tal increase in value		6,947.00
tal increase in per cent		5.5%

ESTIMATED COMMERICAL VALUE OF WORK IN
MINIMUM CHARGES WHEN MADE.

TRIAL	Number of Specimens	Price per Specimen	TOTAL
UN	589	\$2.00	\$1,178.00
CHLARIA	1,087	2.00	2,178.00
OLD FEVER	332	2.00	664.00
ERS	1,230	12.00	14,760.00
2	895	5.00	4,475.00
ERS WIK	25	2.00	50.00
ILLARIOUS EXAMINATIONS	2,077	5.00	10,385.00
RS FOR THE FISHING OF CONGOLOGES	2,422	2.00	4,844.00
FOR THE WASHBURN T	10,176	5.00	50,880.00
OLOGICAL HISTOLOGICAL	2,026	5.00	10,130.00
OO LEGAL EXAMINATIONS	8	5.00	40.00
US INDEX DETERMINATION	2,702	1.00	2,702.00
EN BURG DET. EXAMINATION	2,702	2.00	5,404.00
LOGINE (2.00-20cc)	2,420cc	2.00	4,840.00
OLD VACCINES (25cc Gunt)	4,660cc	2.00	9,320.00
IOUS VACCINES (25cc Gunt)	2,020cc	12.00	24,240.00
ERS NOT INCLUDED	23,287		\$132,240.00

value 1928
value 1929
increase in value
increase in per cent

The National Research Council

Your President continued during the year to serve as president of the National Research Council. This has meant a heavy responsibility in addition to the duties of President of the University, especially because of the distance to Ottawa where the meetings of the Council are held. From the point of view of the University your President considers this extra work justified because nearly all the large cooperative researches organized during his presidency of the Research Council are definitely related to western Canada and to this province. During the last few years, the amount of research work being done in Canada has greatly increased although it is yet far short of the work being done in other countries in proportion to their population.

Pressing Requirements

Last year, attention was called to the fact that there was pressing need for the establishment of a department of Poultry within the University which would require both space and equipment, and further additional space for the two departments of Horticulture and Agricultural Engineering. For some years the demand for a Poultry department capable of research work has been urged upon the University authorities. The time is not far distant when we shall be compelled to find additional room for Agricultural Engineering. The space now occupied by this department is not sufficient to warrant us in undertaking instruction in short courses.

With regard to Horticulture, no special space has been provided to date for this department except in the greenhouses. Last year, the Legislature was good enough to provide a vote for the building of greenhouses especially for the purpose of agricultural research but unfortunately it was not deemed wise by the Provincial Treasurer to have the money spent. Additional greenhouse space is urgently needed if we are to continue to carry out our work in agricultural research.

Special attention is called to the fact that during the past year all available space in class-room and library was filled for every teaching hour in the day and accommodation in some cases for small classes had to be sought in private offices and in the corridors of the University buildings. If some provision can be made for the library which might include with it three or four additional

Pressing Requirements

Last year, attention was called to the fact

that there was pressing need for the establishment of a department of Botany within the University which would require both space and equipment, and further additional space for the two departments of Horticulture and Agricultural Engineering. For some years the demand for a Botany department capable of research work has been urged upon the University authorities. The time is not far distant when we shall be compelled to find additional room for Agricultural Engineering. The space now occupied by this department is not sufficient to warrant us in undertaking instruction in short courses.

With regard to Horticulture, no special space has been provided to date for this department except in the Greenhouses. Last year, the Legislature was good enough to provide a vote for the building of Greenhouses especially for the purpose of agricultural research but unfortunately it was not deemed wise by the Provincial Treasurer to have the money spent. Additional Greenhouse space is urgently needed if we are to continue to carry out our work in agricultural research.

Special attention is called to the fact that during the past year all available space in class-room and library was filled for every teaching hour in the day and accommodation in some cases for small classes had to be sought in private offices and in the corridors of the University buildings. If some provision can be made for the library which might include with it three or four additional

class-rooms, the pressure on the teaching space would be greatly relieved.

I attach herewith, an Appendices to this
report the following special reports:

The Report of the Faculty of Agriculture, as Appendix I
The Report of the Department of Extention, as Appendix II
The Report of the Provincial Laboratory as Appendix III
The Report of the Industrial Laboratory, as Appendix IV
The Report of the Freshman Committee, as Appendix V.

A P P E N D I X I

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THE REPORT OF THE FACULTY OF AGRICULTURE

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A P P E N D I X I

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THE REPORT OF THE FACULTY OF AGRICULTURE

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REPORT OF THE COLLEGE OF AGRICULTURE
FOR THE YEAR 1927.

There has been a gratifying increase in the attendance at the College of Agriculture for the fall term of 1928. There had been a slight falling off the previous year as reported in 1927, but this has been more than made up, the attendance now being larger than for some years past. The registration is as follows:

First year:	13
Second year:	16
Third year:	15
Fourth year:	10
Combined courses:	20
Graduate work:	6
Diploma students:	6
Domestic science:	<u>5</u>
Total:	91

Graduates from the Schools of Agriculture enter our four year course in the second year. Eight students have so registered this year. There has been a serious falling off in the attendance of students from the Schools. Students from the Schools have been among the most successful of our Graduates. It is highly desirable that some means be found to induce a reasonable number of these boys to come on for degree work. Perhaps an improvement in financial conditions will result in an increased attendance from this source. Last year we put on a Diploma course of five months without fee or entrance requirement other than that the student registering should have come from a School of Agriculture or have had equivalent training. This course was put on at the request of the Department of Agriculture to

REPORT OF THE COLLEGE OF AGRICULTURE FOR THE YEAR 1927.

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13	First year:
16	Second year:
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10	Fourth year:
20	Combined courses:
6	Graduate work:
6	Diploma students:
6	Domestic science:
91	Total:

Graduates from the School of Agriculture enter our four year course in the second year. Eight students have so registered this year. There has been a serious falling off in the attendance of students from the School. Students from the School have been among the most successful of our Graduates. It is highly desirable that some means be found to induce a reasonable number of these boys to come on for degree work. Perhaps an improvement in financial conditions will result in an increased attendance from this source. Last year we put on a Diploma course of five months without fee or entrance requirement other than that the student registering should have come from a School of Agriculture or have had equivalent training. This course was put on at the request of the Department of Agriculture to

meet the possible needs of such students who might wish to establish a University connection but who had no intention of entering degree work. Last year only two students registered, this year six have registered. We hope to see more boys take this advantage to establish a University acquaintance.

A statement is hereby submitted in connection with our graduates in Agriculture to date from the University:

Since 1918 when the first class was graduated one hundred and twenty-one degrees in Agriculture have been granted by the University of Alberta. According to the lines of work which they are following, the graduates may be classified as follows:

Agricultural Engineers:	1
Agricultural Bacteriologists:	3
Agricultural Chemists - Soil	7
Plant Biochemistry:	4
Agricultural Journalists:	3
Agricultural Missionary:	1
Animal Husbandry:	6
Colonization:	1
Commercial:	4
Dairy Husbandry:	5
Entomology:	2
Economics (Agricultural)	4
Farmers:	42
Field Husbandry:	15
General Science:	4
Horticulture:	3
High School Teaching (Including Agriculture):	2
Irrigation:	1
Medicine:	2
Plant Breeding:	3
Plant Pathology:	2
Field Work (Agricultural Extension):	4
Theology:	2

It is interesting to note that of the one hundred and twenty-one graduates only eight are following pursuits not agricultural, the remaining one hundred and thirteen being directly connected with either the practice or science of agriculture. Of the hundred and thirteen graduates

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- 1 Agricultural Missionary:
- 6 Animal Husbandry:
- 1 Colonization:
- 4 Commercial:
- 5 Dairy Husbandry:
- 2 Entomology:
- 4 Economics (Agricultural)
- 45 Farmers:
- 15 Field Husbandry:
- 4 General Science:
- 3 Horticulture:
- 2 High School Teaching (Including Agriculture):
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It is interesting to note that of the one hundred and twenty-one graduates only eight are following pursuits not agricultural, the remaining one hundred and thirteen being directly connected with either the practice or science of agriculture. Of the hundred and thirteen graduates

engaged in agricultural work forty-two are actual farmers, forty-one of these farming in Alberta. It may be stated that thirty-four percent of our agricultural graduates are "on the land" at the present time. The graduates point with pride to the fact that fifteen of their number are in the employ of the Provincial Department of Agriculture, fourteen of these being on the staffs of the Schools of Agriculture. Eleven graduates are employed by the various divisions of the Dominion Department of Agriculture. May I also point out that of the one hundred and twenty-one graduates only five are earning their living in countries other than Canada.

Apropos of the work of the agricultural graduates, it would seem worth mentioning that in addition to the students who actually graduated, and not including those in agricultural classes at the present time, seventy-five men have taken one year's work; fourteen have been in attendance for two years; and two for three years. While the graduates do not include these men in their numbers, they feel that this element is making a worth-while contribution to agricultural improvement in the Province.

The reports of the directly Agricultural Departments are hereby submitted.

DEPARTMENT OF ANIMAL HUSBANDRY.

Much of the time of the teaching staff during the academic year has been taken up with the preparation and presentation of lectures and demonstrations in which the object is to cover as completely as possible the various subjects in Animal Husbandry that are recognized as fundamental

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at an institution of this kind. This is considered the most important phase of the work of the Department. While no new courses have been offered, it is necessary each year to revise and reconstruct the existing courses in order to bring them up to date. In addition to the twelve undergraduate courses, there are two advanced courses offered to students who wish to take up graduate work in Animal Husbandry. During the present year two students have been enrolled for this work leading to the Masters Degree.

Secondary in importance so far as the activity of this department is concerned is the conducting of experimental, research, and investigational work. The purpose of this line of endeavor may be considered two-fold: it is necessary in order to strengthen and supplement the teaching courses, and the results of such work, properly interpreted, have a practical application to the various fundamental problems in connection with the agricultural development of Western Canada.

With a view to setting forth the lines of work that is being undertaken at the present time the following brief statement is submitted.

Beef Cattle:

One year's work was completed in 1927 to ascertain the relative values of oat hay and oat silage as a roughage for wintering breeding beef heifers. The results show that oat silage has a considerably higher feeding value than oat hay for this purpose, the rate of gain was 31.6 percent higher in the case of the silage fed group. Based on feed prices used during the winter of 1926-27 it cost \$6.00 per hundred for gains in the lot receiving oat silage and \$12.81 for those

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fed oat hay. Valuing oat hay at \$12.00 per ton, oats at 48 cents per bushel and barley at 56 cents per bushel, oat silage had a value for wintering breeding heifers of \$11.80 per ton.

A series of experiments are being commenced this year to obtain information on the following problems as related to beef production:

1. A comparison of steers and heifers in the feed lot.
2. The value of minerals in finishing steers.

The above two projects are a continuation of work started two years ago.

3. The degree of finish in relation to economy of gains and suitability for the regular channels of trade.

4. The relative economy of finishing calves as compared with older animals.

5. Suitable fattening rations for calves, with special reference to self-feeding.

Dairy Experiments:

The establishment of a beet sugar factory in Southern Alberta has meant that a considerable quantity of sugar beet by-products are now available for feeding. One of these - "Betalasses" is being offered as a feed for dairy cows and it was deemed advisable to conduct a feeding experiment in which the value of this by-product could be compared with other carbonaceous grains. In this trial it was found that one hundred pounds of "Betalasses" is equal in feeding value to one hundred and twenty-eight pounds of barley or one hundred and forty-two pounds of oats for milk production.

Another dairy cattle feed - wet brewers' grains -

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a by-product of the breweries - can be obtained in certain sections of the Province. As very little information of the value of this particular product is published, a test was commenced this year with the object of determining the feeding value for milk production. This test will not be completed until March of next year.

Swine Experiments:

During the past year an extensive programme of swine feeding experiments has been conducted. In all thirty groups of pigs were fed in summer experiments with spring farrowed pigs, and fourteen groups in winter experiments with fall farrowed pigs. The problems dealt with were those in connection with which swine producers seemed to manifest a desire for specific information. Among the problems treated the following might be mentioned:

1. A consideration of suitable substitutes for skim-milk and the comparative value of such substitutes.
2. The value of mineral mixtures for spring farrowed pigs in dry lot and on pasture and the value of similar mixtures for fall pigs.
3. The suitability of various feed mixtures for pigs after weaning.
4. The value of standard recleaned screenings in the feeding of both fall and spring farrowed pigs.
5. A study of the causes of soft pork or soft fat in the hog carcass.
6. The cost of production of fall pigs in Alberta.
7. The value of sunlight and cod liver oil in preventing stiffness and rickets in fall pigs.

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6. The cost of production of fall pigs in Alberta.

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The results secured from mineral feeding indicate

that when dairy by-products are not being fed, the use of minerals will result in an increase of twenty to thirty percent in the rate of gains and a decrease of approximately twenty percent in cost of gains. When dairy by-products or tankage are being fed in sufficient volume, the mineral requirement seems to be taken care of without the use of mineral supplement. In connection with a study of skim-milk substitutes, it has been found that tankage can be relied upon and that a mixture of tankage, alfalfa meal and oil meal gives excellent results. Soft pork investigations failed to reveal any connection between killing weight and firmness of carcass. The carcasses from pigs marketed at the lower limit of standard bacon weights were as firm as those from pigs marketed at the intermediate or maximum weights for bacon hogs. Increasing the proportion of barley in the ration did not lead to a higher proportion of soft carcasses. Standard recleaned screenings, when fed either as a sole grain or in combination with oats and barley provided satisfactory and reasonably economical gains in both spring and fall farrowed pigs.

Experiments in fall pig feeding yielded further evidence that fall pigs can be profitably grown in Alberta, and indicated that careful consideration must be given to the use of proper protein and mineral supplements in winter pig feeding. Evidence has been secured that sunlight plays an important part in maintaining normal thrift in fall pigs. This problem is being studied further during the present winter

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methods in the lamb flock. Two methods of docking - the use of the searing iron and the sharp knife were compared, different methods of castration were tested and the effect of grain feeding while on pasture was studied. This work also lent itself to statistical growth study with reference to such factors as influence of sex and birth weights on subsequent development, and a comparison of the growth in the case of singles, twins and triplets.

In the above trial it was found that the use of the sharp knife gave slightly better results than the use of the searing irons. More data will have to be accumulated from later trials to reach any authentic conclusions in regard to the other problems and studies involved.

The fourth year's trial comparing pastures for ewes suckling lambs was conducted. Only three pastures were compared, rape, oats, and a mixture of oats and rye. The results secured correlated with those of 1926 which showed that for producing gains in ewes, rape ranked first, oats and rye pasture second, and oats third. For the lambs, rape again ranked first with very little difference between oats and oats and rye.

The project commenced in 1921 comparing the practice of breeding ewe lambs with that of breeding ewes for the first time as shearlings is still in progress. Much valuable data have been accumulated and it is hoped that with the addition of the data secured during the next two years a publication of the results will be warranted.

There is still a question as to whether or not a protein or mineral supplement need be supplied to fattening lambs fed the usual carbonaceous feeds of Central and Northern

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Further tests are required in order to obtain more definite information in connection with the value of these two supplements for fattening lambs.

Feeders day:

The annual "Feeders" day or Farmers' Day was held again in April this year following the completion of the winter's feeding trials. The usual good attendance of well over two hundred farmers was maintained and the inspection of the experimental animals, together with the discussion of the results of the experimental work undertaken this year created a great deal of interest. This event affords an exceptionally good opportunity to get in close contact with the livestock men of the Province and to disseminate in a practical way the information that is being obtained from the results of the experimental and research program that has been in progress for some time.

Extension Service:

During the present year between four and five hundred letters were sent out from this office in reply to inquiries received from farmers. These inquiries were for specific information on the feeding and general care of all classes of live stock, questions relating to breeding problems, treatment of various ailments and inquiries in connection with the most suitable breeds of live stock for certain conditions. In several cases these letters would involve two to three pages and a careful review and discussion of various

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Phases of our experimental work in order to set forth clearly and authentically the information desired. A conservative estimate of the number of people who personally call on the Department of Animal Husbandry each year to obtain definite information would be well over one thousand. In addition the number of telephone calls from farmers asking for advice would be at least two hundred each year. Members of the staff assisted at four farmers' short courses at the following places: Lethbridge, Raymond, Ponoka and High River. Judges for live stock at eight exhibitions were supplied this year at Calgary, Edmonton, Red Deer, Camrose, Goose Creek, Pibroch, Killam and Lethbridge. Various conventions, breeders' and farmers' meetings were attended and addresses given including Western Canada Dairymen's Convention at Edmonton; Alberta Cattle and Swine Breeders' Associations, and a farmers' meeting of one of the service clubs at Camrose. Within the last year nine lectures on various live stock subjects were given over the radio, and five press articles of considerable length were prepared for farm papers in Western Canada and Scientific Agriculture.

Bulletins:

One bulletin - "Some Problems in Bacon Hog Production" was prepared and issued in October. This publication deals with the results of three years' work that was outlined with a view to securing definite data on the effect of different methods of feeding, protein supplements, pasture and exercise on the type of hog and quality of carcass produced.

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exhibit of fat steers to the Royal Agricultural Winter Fair at Toronto, and the International Live Stock Exposition at Chicago this year. Eighteen animals were included in the 1927 exhibit, among which were several steers bred at the University. The three beef breeds were represented as follows: eight purebred Shorthorns, five purebred Aberdeen-Angus; four purebred Herefords, and one grade Shorthorn.

A complete statement covering the different animals, together with their winnings is presented, which goes to show that the year 1927 has been the most successful since the enterprise was started eight years ago. There is no question that the idea of advertising Alberta as a breeding and feeding ground for good cattle, which is the primary object of this exhibit, is having its effect. As was the case in previous years, a great deal of interest centered around the display of steers from Alberta and the fact is being recognized more and more each year that this Province has much to offer to the man interested in good live stock.

The Live Stock Branch of the Federal Government cooperating with the Alberta Provincial Department of Agriculture very generously paid the freight on the exhibit from the University again this year. This contribution helps, in a very material way, and is much appreciated. Credit for much of the success that has been achieved in connection with the exhibit must also be given to the breeders of Alberta who have donated calves from year to year.

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WINNINGS OF ALBERTA STEERS, SHOWN BY UNIVERSITY OF ALBERTAAT TORONTO AND CHICAGO, 1927.Royal Agricultural Winter Fair. Toronto.

<u>Name of Animal</u>	<u>Breeder</u>	<u>Breed</u>	<u>Class</u>	<u>Award</u>
Choice U.A.	U. of A. Edmonton	Shorthorn	Junior Yearling	First
Seona Lord	U. of A. Edmonton	Shorthorn	Junior Yearling	Second
Lancaster Fortis	W. W. Sharpe Stettler	Shorthorn	Junior Yearling	Third
Keystone	U. of A. Edmonton	Shorthorn	Junior Yearling	Fourth
Cornerstone U. A.	U. of A. Edmonton	Shorthorn	Junior Yearling	Fifth
Gallant King	G. M. Thomas Youngstown	Shorthorn	Junior Yearling	Sixth
Lovely Dale	U. of A. Edmonton	Shorthorn	Senior Calf	Seventh
Prince Clive	J. L. Walters Clive	Shorthorn	Junior Calf	Fourth
Pride's Lad	C.M. Richardson, Bowden	Aberdeen- Angus	Senior Yearling	First
Idlewyld Alberta	A.M. Thompson, Vegreville	Aberdeen- Angus	Junior Yearling	Second
Baron U.A.	U. of A. Edmonton	Aberdeen- Angus	Senior Calf	Third
Panama Donald U. A.	U. of A. Edmonton	Hereford	Junior Yearling	First
Rock Creek Chief	J.A. McEachern, Co. Burmis.	Hereford	Junior Yearling	Third
Bonnie Lord	Mrs.H.G. Sherry, Clover Bar.	Hereford	Junior Yearling	Fifth
Baronet	U. of A. Edmonton	Hereford	Senior Calf	Second
Admiral	U. of A. Edmonton	Grade	Junior Yearling	First

AT TORONTO AND CHICAGO, 1927.

Royal Agricultural Winter Fair, Toronto.

Award	Class	Breed	Breeder	Name of Animal
First	Junior Yearling	Shorthorn	U. of A. Edmonton	Choice U.A.
Second	Junior Yearling	Shorthorn	U. of A. Edmonton	Scots Lord
Third	Junior Yearling	Shorthorn	W. W. Sharpe Stettler	Janestater Fortia
Fourth	Junior Yearling	Shorthorn	U. of A. Edmonton	Keystone
Fifth	Junior Yearling	Shorthorn	U. of A. Edmonton	Cornerstone
Sixth	Junior Yearling	Shorthorn	G. M. Thomas Youngstown	Gallant King
Seventh	Senior Calf	Shorthorn	U. of A. Edmonton	Lovely Dale
Fourth	Junior Calf	Shorthorn	J. I. Walters Clive	Prince Clive
First	Senior Yearling	Aberdeen-Angus	G. M. Richardson Bowden	Bridge's Lad
Second	Junior Yearling	Aberdeen-Angus	A. M. Thompson Vegreville	Idleywild Alberta
Third	Senior Calf	Aberdeen-Angus	U. of A. Edmonton	Baron U.A.
First	Junior Yearling	Hereford	U. of A. Edmonton	Panama Donald U. A.
Third	Junior Yearling	Hereford	J. A. McEachern Co. Burmis.	Rock Creek Chief
Fifth	Junior Yearling	Hereford	Mrs. H. G. Sherry Clover Bar.	Bonnie Lord
Second	Senior Calf	Hereford	U. of A. Edmonton	Baronet
First	Junior Yearling	Grade	U. of A. Edmonton	Admiral

WINNINGS OF ALBERTA STEERS AT TORONTO, 1927.

Group of three steers 1000 - 1200 pounds	- Idlewyld Alta. Evocate Stamp First Admiral
Group of three steers 1000 - 1200 pounds	- Panama Donald U.A. Bonnie Lord Fourth Baronet
Group of three steers over 1200 pounds	- Lancaster Fortis Choice U.A. First Scena Lord
Group of three steers over 1200 pounds	- Rock Creek Chief Keystone Second Pride's Gift
Champion Aberdeen-Angus Steer	Pride's Lad.
Champion Shorthorn Steer	Choice U. A.
Champion Hereford Steer	Panama Donald U.A.
Champion Grade of Cross-bred Steer	Admiral.
Grand Champion Steer	Choice U. A.
Champion group of three steers on	Lancaster Fortis Choice U. A. Scena Lord

Summary:

Grand Champion
Five Championships
Six Firsts
Four Seconds
Three Thirds
Three Fourths
Two Fifths
One Sixth
One Seventh.

Of the eighteen steers showing every animal was in the money.

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One Seventh.
One Sixth.
Two Fifth.
Three Fourth.
Three Third.
Four Second.
Six First.
Five Championships.
Grand Champion

Summary:

Champion Group of three steers on

Grand Champion Steer

Champion Grade of Cross-bred Steer

Admiral.

Champion Hereford Steer

Panama Donald U.A.

Champion Shorthorn Steer

Choice U. A.

Champion Aberdeen-Angus Steer

Bride's Lad.

Group of three steers over 1200 pounds

Rock Creek Chief
Kestane
Bride's Gift
Second

Group of three steers over 1200 pounds

Lancaster Fortis
Choice U.A. First
Scots Lord

Group of three steers 1000 - 1200 pounds

Panama Donald U.A.
Bonnie Lord
Baronet
Fourth

Group of three steers 1000 - 1200 pounds

Idlewild Alfie.
Eveside Stamp First
Admiral

WINNINGS OF ALBERTA STEERS AT TORONTO, 1927.

International Live Stock Exposition - Chicago, 1927.

<u>Name of Animal</u>	<u>Breeder</u>	<u>Breed</u>	<u>Class</u>	<u>Award</u>
Choice U. A.	U. of A. Edmonton	Shorthorn	Junior Yearling	First
Scona Lord	U. of A. Edmonton	Shorthorn	Junior Yearling	Fifth
Lancaster Fortis	W. W. Sharpe Stettler	Shorthorn	Junior Yearling	Seventh
Keystone	U. of A. Edmonton	Shorthorn	Summer Yearling	Seventh
Prince Clive	J.L. Walters Clive	Shorthorn	Junior Calf	First
Three Shorthorn Steers:	Lancaster Fortis Choice U. A. Scona Lord			
Champion Shorthorn Steer	Choice U. A.			
Rock Creek Chief	J.A. McEachern Co. Burmis	Hereford	Junior Yearling	Third
Panama Donald U. A.	U. of A. Edmonton	Hereford	Summer Yearling	Fifth
Baronet	U. of A. Edmonton	Hereford	Senior Calf	Fifth
Three Hereford Steers	Rock Creek Chief Panama Donald U.A. Baronet			
Evocate Stamp	Dickson & Hunter Innisfree	Aberdeen- Angus	Junior Yearling	Thir- teenth
Idlewyld Alberta	A.M. Thompson Vegreville	Aberdeen- Angus	Summer Yearling	Fourth
Admiral	U. of A. Edmonton	Grade	Summer Yearling	First
Three steers, any breed, pure-bred, grade or cross, get of one sire				Third

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Choice U. A.	U. of A. Edmonton	Shorthorn	Junior Yearling	First
Scots Lord	U. of A. Edmonton	Shorthorn	Junior Yearling	Fifth
Lancaster Fortis	W. W. Sharpe Stettler	Shorthorn	Junior Yearling	Seventh
Keystone	U. of A. Edmonton	Shorthorn	Summer Yearling	Seventh
Prince Olive	J. L. Walters Olive	Shorthorn	Junior Calf	First
Three Shorthorn Steers: Choice U. A. Scots Lord	Lancaster Fortis			
Champion Shorthorn Steer	Choice U. A.			
Rock Creek Chief	J. A. McEachern Co. Burma	Hereford	Junior Yearling	Third
Panama Donald U. A.	U. of A. Edmonton	Hereford	Summer Yearling	Fifth
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Three Hereford Steers: Rock Creek Chief Panama Donald U. A. Baronet				
Evocate Stamp	Dickson & Hunter Innisfree	Aberdeen-Angus	Junior Yearling	Thirteenth
Idlawyld Alberta	A. M. Thompson Vegreville	Aberdeen-Angus	Summer Yearling	Fourth
Admiral	U. of A. Edmonton	Grade	Summer Yearling	First
Three steers, any breed, pure-bred, grade or cross, set of one size				
				Third

John Clay and Co. Specials:

Choice U. A.	Second
Panama Donald U. A.	Fifth
Group of five steers	Third

Summary:

One Championship
Three Firsts
One Second
Three Thirds
Two Fourths
Five Fifths
Two Sevenths.

Of twelve animals showing, all, excepting one, were in the money.

UNIVERSITY STUDS, HERDS AND FLOCKS

Horses:

No addition in the way of purchases has been made to the horse division during the present year. Three foals - two Percherons and one Belgian - were raised in 1927. At the present time there are twenty-three horses on hand made up as follows: eleven purebred Percherons, six mares and five geldings; six purebred Clydesdales, five mares and one gelding; and four purebred Belgians, three mares and one gelding. In addition there is one saddle horse and one driving horse.

Beef Cattle:

Satisfactory progress has been made in the development and improvement of the beef herd during the present year. Practically all the females in the herd of breeding age have dropped calves within the past twelve months, and a fairly large

John Gray and Co. Specialists:

Second
Fifth
Third

Choice U. A.
Panama Donald U. A.
Group of five steers

Summary:

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Three Firsts
One Second
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Two Fourths
Five Fiftths
Two Sevenths.

Of twelve animals showing, all, excepting one, were in

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Beef Cattle:

Satisfactory progress has been made in the development and improvement of the beef herd during the present year. Practically all the females in the herd of breeding age have dropped calves within the past twelve months, and a fairly large

percentage of these have been heifers, this being particularly true in the case of both the Aberdeen-Angus and Herefords herds. The Shorthorn bull, Browndale Consul that was purchased last year has developed satisfactorily and judging from the few calves sired by him that have arrived recently, he should be an asset to the Shorthorn herd.

The beef herd at the present time is made up of thirty Shorthorns, twelve Aberdeen-Angus and fifteen Herefords. These are all pure-bred females. Practically all the male calves in the beef herd have been used in connection with the herd of show steers that is exhibited each year. Keeping in mind that the ultimate end of all beef animals is the butcher's block, possibly there is no better way of determining the real value of beef herds than the showing their progeny is able to make in the market classes at the larger shows. The financial returns in selling these animals as steers rather than as breeding bulls has also justified this policy during the past few years. Another feature that might be mentioned in favor of this plan is that the University is not competing with other breeders of purebred stock in the Province in the sale of their surplus breeding animals. During the past twelve months there has developed a better demand for good beef sires and it is felt that the time has come when at least some of the best bulls might be retained for breeding.

Twenty head of purebred steers are now in the herd. These range in age from calves a few weeks old to animals up to eighteen months. A number of these have been contributed by different breeders in the Province. A herd of from twelve to sixteen nurse cows is maintained to take

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care of the steers being fitted for showing.

Dairy Herd:

The dairy herd is made up of thirty-two Molstein-Friesians and ten Jerseys. Of these twenty-six are cows in milk, thirteen heifers not in milk and two herd bulls.

In October a Holstein-Friesian bull from Cloverdale Farm of British Columbia was added to the herd. The sire of the bull was bred by the Colony Farm, is a double grandson of Sir Orms by Maid Champion, a bull with many high producing daughters, and is a grandson of Zarilda Clothilde 3rd DeKol with a 33,153 pound milk and 1194.5 pound butter record. On the dam's side the bull traces to many high two year old records. At the recent Toronto Royal Winter Fair he stood third being only beaten by two aged bulls that have been champions many times at the bigger Canadian shows.

Two promising yearling Jersey Heifers were purchased to strengthen the Jersey herd. Both heifers were bred in the United States and are both granddaughters of the famous Jersey Island bull, "The Cid".

Eleven R. O. P. records were completed during 1927 by ten cows. The most noteworthy of these being made by a two-year old Jersey heifer, Alberta U. silk Gown 2nd, of 529 pounds of butterfat from 8,852 pounds of milk. Since she was in calf for two hundred days while on test and made a record sufficiently above the requirements of the Registry, she qualified for the Silver Medal Certificate.

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Dairy Herd:

The dairy herd is made up of thirty-two Holstein-Friesians and ten Jerseys. Of these twenty-six are cows in milk, thirteen heifers not in milk and two herd bulls. In October a Holstein-Friesian bull from Cloverdale Farm of British Columbia was added to the herd. The sire of the bull was bred by the Colony Farm, is a double grandson of Sir Ormsby Mordaunt, a bull with many high producing daughters, and is a grandson of Earl of Glouchester. 3rd DeKal with a 38,153 pound milk and 1194.5 pound butter record. On the dam's side the bull traces to many high two year old records. At the recent Toronto Royal Winter Fair he stood third being only beaten by two aged bulls that have been champions many times at the bigger Canadian shows. Two promising yearling Jersey Heifers were purchased to strengthen the Jersey herd. Both heifers were bred in the United States and are both granddaughters of the famous Jersey Island bull, "The Old". Eleven R. O. P. records were completed during 1927 by ten cows. The most noteworthy of these being made by a two-year old Jersey heifer, Alberta U. Silk Gown 2nd, of 629 pounds of butterfat from 8,852 pounds of milk. Since she was in calf for two hundred days while on test and made a record sufficiently above the requirements of the Registry, she qualified for the Silver Medal Certificate.

The remaining records were as follows:

305 day Class	<u>Age</u>	<u>Milk</u>	<u>Butter Fat</u>
Holsteins:			
Hulda Pontiac Lass	6 yrs.	16,765	627
U.A. Pontiac DeKol	5 "	11,199	420
University Rosebud Pontiac	2 "	11,062	390

Jerseys:			
U.A. Silk Gown 5th	6 "	8,609	443

365 day Class:

Holsteins:			
Rosebud Mutual DeKol	11 "	14,941	504
U.A. Pontiac DeKol	5 "	12,360	469
Jemima Aggie Francy	5 "	12,351	464

Jerseys:			
University Silk Gown	9 "	10,652	529

(Two cows completed tests in December but official records have not been received from Ottawa.)

Seven purebred bull calves were sold to breeders within the Province. Four of these were Holsteins and three Jerseys. Included in these were a son of Llenroc Fayne Beatrice that produced 18,937 pounds of milk and 622 pounds fat in 305 days, and also one calf from the high producing Jersey heifer as mentioned above.

Swine:

Approximately fifty brood sows are being carried over the winter of 1927-28. The object is to have a sufficient number of pigs available for summer feeding experiments in 1928 and also a number of purebred boars and gilts for distribution as seed stock to farmers throughout the Province. On the average 350 spring pigs and 125 fall pigs are farrowed annually.

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Hilda Pontiac Lass 6 yrs. 16,765 627

Holsteins:

305 day class

The remaining records were as follows:

Butter
Fat

Age

Milk

breeds predominate. The representation of Berkshires and Duroc-Jerseys has been materially reduced during the past year. The policy at the present time is to maintain the Yorkshire and Tamworths as purebreds, crossing boar of these breeds on a number of Berkshire, Duroc-Jersey and Poland-China sows which are being kept for class-room demonstration purposes. During the past summer a small herd of Tamworths was shown at the Calgary and Edmonton exhibitions. In the face of very strong competition they made a creditable showing. At Calgary the winnings included second prize on aged boar, second and third prized on aged sows, and a number of prizes on younger stock. At Edmonton the aged boar and sows were given the same rating; first prize was secured on sow and litter and on aged boar.

A fair demand has existed during the year for boars and a goodly number have been distributed throughout the Province. Young sows have also been generously distributed, although the interest in this class of stock is not as keen as in 1926 due to the depressed condition of the hog market at the present time.

Sheep Flock:

One hundred and twenty-five purebred and one hundred grade sheep are included in the flock in December 1927. In the purebreds fifty-five are Hampshires, twenty-five Suffolks, nineteen Shropshires, eighteen Oxfords, and thirteen Leicesters. During the year the number of purebreds have been increased by ten to meet the growing demand for purebred rams and ewes. The grades were reduced by fifteen head.

Thirty-two purebred rams and seventeen purebred

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ewes were sold to thirty-two breeders in the Province.

Twenty-five grade ewes were also sold for breeding purposes.

A flock of Hampshires was shown at the Calgary and Edmonton summer fairs, and also at the Toronto Royal Winter Fair. At the latter fair a yearling ewe was first and Champion female. In addition one first, one second, three thirds, and one fourth prize were secured by the seven animals entered.

University Farm:

The sub-division known as Belegrovia, lying directly north of the main University farm was acquired last spring. This area comprises approximately seventy-five acres, about half of which is cleared and was cropped this year. The location of this land makes it a valuable acquisition and when it is cleared and fenced can be turned into good use, especially for pasture purposes.

An exceptionally good crop was produced on the University Farm this year. A considerable portion of the farm is required for pasture and another smaller area is devoted to experimental pastures and paddocks. In addition, to providing for pasture and test plots, approximately six hundred and fifty tons of silage, four hundred tons of green feed and over two thousand bushels of oats were produced this year. At no time since the farm was operated by the University has there been such a large volume of home grown feed on hand as there is this year.

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The sub-division known as Bellegarde, lying directly north of the main University farm was acquired last spring. This area comprises approximately seventy-five acres, about half of which is cleared and was cropped this year. The location of this land makes it a valuable acquisition and when it is cleared and fenced can be turned into good use, especially for pasture purposes.

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DEPARTMENT OF VETERINARY SCIENCE.

For a number of years Veterinary Science has been given an important place on the curriculum of the Agricultural College in the United States and Canada. In this day of specialization in certain phases of Agriculture, Veterinary Science would appear to fit in particularly well with the course given in Animal Husbandry.

In order to give students information which will enable them to carry on their work in a satisfactory manner, considerable thought has to be given by the instructor to the selection and preparation of material for the lectures. It is our opinion that graduates of Agricultural Colleges who have directed their thoughts and energies along the lines of Animal Husbandry can be of great service to the community and to the state if they have been taught the dangers of some of the animal diseases. The suppression of some of the communicable animal diseases by methods of sanitation is a field in which they could well take an important part. In some of the troubles caused by mistakes in feeding, and also in cases of poisoning, they have a wonderful opportunity of giving valuable service to the community in which they live.

The question of disease suppression is one, of course, which will always come under the veterinary surgeon. The immunologist is now controlling disease by the use of preventive biological products never thought possible a few years ago. Our Agricultural graduates - by their training and experience - can do a great deal not only to improve, but to protect the health of live stock.

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live stock, and particularly towards hereditary unsoundnesses in horses. Our graduates - if familiarized with the importance of this end of the work - can assist in a great measure in the improvement of the horse industry in Alberta.

DEPARTMENT OF DAIRYING.

Regular Courses:

The Department of Dairying offers three courses in the degree work at the University. The general home dairy course is taken by all students who register for degree work in the faculty of Agriculture and who have not attended any of the Provincial Schools of Agriculture. Two elective courses are also open to regular students, covering certain fields of factory dairying.

Special Courses:

In addition to the regular courses of instruction already referred to, special creamery courses of three to four weeks' duration are given each year, in co-operation with the Provincial Department of Agriculture. These special courses are planned more particularly for the benefit of people who have had some practical experience in creamery operations, and who may wish to spend a short time in a systematic study of the more important principles upon which the practical work is based. This year there was a total registration of sixty-six in the special courses, and students registered from different points in Alberta.

The following quotation from the announcement of the course which commenced January 4, 1927, gives in outline the general character and scope of the special courses:

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the course, dealing with principles and methods in the production and handling of milk and cream; and the testing, grading and quality basis marketing of milk, cream and butter; the care and handling of the apparatus and equipment used in creamery operations and aspects of the development and organization of the dairy industry.

"The PRACTICAL WORK in the laboratories will include the receiving, recording, testing, grading and pasteurization of milk and cream; buttermaking; grading and testing of butter and the handling of centrifugal cream separators.

"It is the purpose of the course to bring out the importance of closely studying and checking the details of the various operations in the course of the day's work, and the daily programme will be so arranged that creamery workers, who are not in a position to take the full course, may be able to plan a shorter stay and still participate in the lines of work that interest them most."

"During the Summer and Fall of 1926, samples of normal and Surface Taint butter were studied to determine differences in chemical and biological composition. It was believed that such information should be of value in determining the factor or factors responsible for this defect, which is causing considerable loss to the creamerymen of Western Canada.

"The titrable acidity of S. T. samples usually gave a low value (Water soluble acidity), although occasional samples showed an acidity much higher than that of the normal samples studied.

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boric acid is added as preservative at the creamery, and because the degree of acidity - hydrogen ion concentration is the more important factor re biological or chemical change, it was decided to make a fairly exhaustive study of this angle of the problem.

"The pH (hydrogen ion concentration) of butter being a virgin field for investigation, many different methods were tried out, including the Gillespie, Spot and La Motte colorimetric methods, and the electrometric method, using both open and closed electrodes. For general work, the La Motte method was found most suitable, although the outfit for this did not arrive until November, after the majority of the work had been done. Results obtained comparing normal and S.T. butters showed that the latter tended to fall within a narrow range slightly on the acid side of neutrality, while the normal samples showed a wider range, with a tendency toward greater acidity. Nevertheless, the majority of the normal samples examined showed a pH within the range of the S. T. samples, suggesting that the acidity alone will not explain the occurrence of this defect. A fairly high degree of acidity may be an important inhibitory factor, as is shown by numerous experiments in which churnings of S. T. butter, when reworked with acid, have failed to show any further evidence of development of the taint.

"Concurrently with the acidity studies, bacterial, mould and yeast content of samples was determined. The bacteria were further divided into acidifiers, casein digesters, and others. Although the average count in all classes was higher for the S. T. than for the normal samples yet occasional samples of normal butter were found giving very

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high counts. This would indicate the desirability of studying the individual types of organisms occurring in S. T. samples, and determining from what source they enter the butter.

"Composition tests on 18 consecutive churnings, 9 of which developed S. T. showed that the average brine concentration of the normal samples was 13.35%, while that of the S. T. samples was 9.7%. Low salting may therefore assist the development of S. T.

"Tests to determine the relative activity of proteolytic enzymes showed considerably higher activity for the S. T. samples.

"Inoculation of portions of normal butter with sterilized and unsterilized serum from S. T. Butter resulted in the development of S. T. in 75% of the lots inoculated with unsterilized serum, while none developed from sterilized serum.

"A typical S. T. was produced in an experimental churning on Dec. 22, where the acidity had been reduced to 0.125%. Unfortunately, this particular churning showed heavy contamination with moulds, yeasts, and digesting bacteria.

"Results to date point to the desirability of a study of the organisms encountered in S. T. butter, and a search for their source. Carefully planned experiments, where churnings of cream of varying degrees of acidity were inoculated with these organisms in various combinations, and with varying salt contents in the finished lots of butter, should throw considerable light on the cause or causes of this puzzling defect.

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"Inoculation of portions of normal butter with sterilized and unsterilized serum from S. T. Butter resulted in the development of S. T. in 75% of the lots inoculated with unsterilized serum, while none developed from sterilized serum.

"A typical S. T. was produced in an experimental churning on Dec. 22, where the acidity had been reduced to 0.125%. Unfortunately, this particular churning showed heavy contamination with moulds, yeasts, and digesting bacteria.

"Results to date point to the desirability of a study of the organisms encountered in S. T. butter, and a search for their source. Carefully planned experiments, where churnings of cream of varying degrees of acidity were inoculated with these organisms in various combinations, and with varying salt contents in the finished lots of butter, should throw considerable light on the cause or causes of this puzzling defect.

DEPARTMENT OF FIELD CROPS

I. - Seed Distribution.

The Department of Field Crops has for some years cooperated with the seed-growers of Alberta, by maintaining so far as possible pure stocks of the leading registered crop varieties grown in the Province. Growers may from time to time purchase from the Department at reasonable cost small quantities of elite stock seed with which to renew their main crop:

The Department also maintains limited stocks of certain non-registered varieties, mainly of its own breeding or selection, which are believed to fill a useful place in some part of the Province.

There are thus two distinct classes of seed distributed, and two purposes served: (1) elite stock seed, promoting the work of the Seed Growers' Associations, both provincial and national; (2) non-registered seed of varieties or selections which in tests at the University have surpassed in yield or quality or adaptation the kinds commonly grown, and of which growers may be desirous of securing reliable stock for testing on their farms.

About 400 applications for seed were received between Dec. 1, 1926 and Mar. 31, 1927. These represented a demand in most cases in excess of the quantity available. Nevertheless, the Department's policy of limiting individuals to a few bushels of grain, or a few pounds of the small seeds, made quite a widespread distribution possible. The following quantities were sent out:

Elite stock:

Renfrew Wheat

68 Bush.

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Seed Distribution.

Banner oats	101 bush.
Victory oats	36 "
C. A. C. 21 barley	42 "
Dakold winter rye	3 "
Golden vine pease	5 "
Arctic sweet clover	82 "

New Varieties:

Red Bobs No. 222 wheat	72 bush.
Altaswede red clover	115 lbs.
Fyra western rye grass	67 "
Swallow timothy	44 "

A great many enquiries were received for elite Marquis wheat. These could not be filled, as our new pure lines of this variety will not be available in sufficient quantity for distribution until the spring of 1929. The unavoidable delay is greatly regretted, as Marquis wheat is still the plant breeder's standard of quality, and the mainstay of the high reputation of Canadian wheat on the world's markets. Though rust has made it impracticable to grow Marquis in some parts of Manitoba, the frost has prevented its proper maturity in parts of all three Prairie Provinces, it is nevertheless to be deplored that many farmers have been stampeded into abandoning Marquis for inferior new varieties without sufficient cause.

During the ten years that wheat breeding has been carried on at the University, one new variety and one selection of an old variety have been distributed, namely, Kenfrew and Red Bobs No. 222. These were distributed to meet the needs of particular districts, but not for any general displacement of Marquis. Comparative yields and other experimental data are given later in this report, together with the results of other wheat variety tests. On account, however, of the great public interest in new wheat varieties, a fuller statement in regard to these two will be given here.

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Renfrew Wheat.

At the last general meeting of the Canadian Seed Growers' Association, Renfrew wheat was officially accepted for registration. This variety, following several years test at Edmonton, was for three years just prior to registration subjected to a further test in comparison with Marquis in all experimental stations in Alberta, with the following results: (1) Renfrew averaged over five bushels per acre more than Marquis, and in 22 of the 30 comparisons Renfrew yielded from one to twenty-one bushels more, while in the other eight cases Marquis yielded from one-half to six bushels more. (2) In length and strength of straw Renfrew was found to be superior to Marquis, an advantage in certain districts. (3) Renfrew had practically the same high milling and baking quality as Marquis. (4) The average growing period at all Alberta stations except Edmonton showed Renfrew to be two days later, while at Edmonton it matured five days later than Marquis.

These results led to the conclusion that Renfrew was well adapted to the southern and eastern parts of the province. In these areas where rainfall is limited, length of straw important, and danger from early fall frost small, this variety has met with marked success.

The rust reactions of Renfrew and Marquis are similar, both being non-resistant. Rust is not usually a serious problem in Alberta, although this year there was more than usual on account of the late season. Late-maturing varieties of wheat would be expected to suffer more injury through being attacked at a less advanced stage of development. Similarly, any soil conditions, such as summer-fallow,

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which delays maturity of the crop, would leave it more open to rust injury. Although no evidence of shrinkage in the grain could be observed in rusted specimens of Renfrew sent in to the University, a few reports of such shrinkage were received from the eastern part of the Province, where rust was worst. In any event, Renfrew is not recommended for rust districts.

Red Bobs No. 222.

Red Bobs No. 222 is a selection from Red Bobs, and resembles the parent variety in most particulars, though somewhat higher yielding. It also closely resembles Early Triumph, a selection from Red Bobs made by Dr. Seager Wheeler.

Red Bobs No. 222 usually outyields Marquis, but is somewhat inferior to the latter in baking quality; consequently it should not be used to replace Marquis where the latter ripens satisfactorily. Red Bobs and its various selections are also slightly more susceptible to rust and other diseases than is Marquis, so cannot be depended upon to escape attacks by reason of their earliness.

Our own selection, No. 222, was distributed in the spring of 1925, in response to urgent requests from certain northern districts for a wheat earlier than Marquis and more productive than Ruby. This need it has met very satisfactorily in so far as yield and earliness are concerned, and its quality is at least reasonably good.

At the time of the original distribution, it was announced that the available stock was not perfectly pure. Selection work has been continued, but our present stock still shows an occasional plant with short beards at the tip of the head.

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Improvements in Seed Handling Facilities.

A Carter disc machine has recently been added to the Department's equipment for the mechanical cleaning and grading of seed. The entire seed-cleaning plant in the Field Crops barn is also being remodelled to increase its capacity and efficiency.

This year the Press Bulletin announcing our annual seed distribution was enlarged to include descriptive notes on all the varieties of which seed is available, as well as a summary of some of the more interesting results obtained in our experimental fields. In addition to the regular mailing list for this publication, it was sent to about 900 growers of registered seed in Alberta. It was hoped in this way to give complete and satisfactory information to interested growers, while at the same time reducing the burden of correspondence connected with seed distribution.

Other Extension Activities.

While the distribution of pure foundation stock seed constitutes perhaps our most important service to the farmers of the Province, it does not constitute the whole of our extension activities. During the past year the departmental staff answered nearly 600 letters from farmers inquiring for technical advice, and gave over 20 public addresses by radio or at seed fairs and other meetings. The Department also received individually something like 200 farmer visitors, in addition to a number of convention or excursion groups.

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II. - Cereal Crop Investigations.

Wheat Variety Tests:

In the table below are given some of the data collected in wheat variety tests during the past 8 years. It will be observed that for the first five varieties on the list 8-year averages (1920-27 inclusive), are given, while for the next three varieties only 2-year averages are available. The last two varieties, Reward and Vermilion, were included in the variety plots for the first time in 1927. Vermilion had been tested in rod-rows in 1923 and again in 1926, but proved very weak-strawed and late. However, on account of the interest which this variety had aroused in the eastern section of the Province, it was transferred to the larger plots in 1927. The growth period cannot be shown in the table, as it failed entirely to ripen. It was very difficult to harvest on account of the lodging of the straw.

Results of wheat Variety Tests at Edmonton, 1920-27.

Variety	Growth period.		Height of Plants		Yield of grain per acre.	
	1927	8-year average	1927	8-year average	1927	8-year average
	Days	Days	Inches	Inches	Bush.	Bush.
Marquis	115	113	47.1	41.0	63.4	44.3
Renfrew	118	118	51.7	46.3	54.3	48.7
Red Bobs No. 222	107	109	43.0	40.1	49.8	49.4
Red Fife	119	118	52.5	44.4	51.2	44.6
Kitchener	118	116	51.7	43.3	56.4	47.7
		2-year average		2-year average		2-year average
Garnet	106	106	45.7	44.9	51.9	48.4
Supreme	111	113	42.5	45.0	56.5	48.2
Early Triumph	108	108	44.5	44.8	62.1	56.1
Reward	109	-	42.0	-	46.9	-
Vermilion	-	-	54.5	-	51.2	-

II. - General Crop Investigations.

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Results of wheat Variety Tests at Edmonton, 1920-27.

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Variety	Days	Days	Inches	Inches	8-year average
Hermion	-	-	54.5	42.0	46.9
Reward	109	-	-	-	-
Early Triumph	108	108	44.5	44.8	52.1
Supreme	111	113	42.5	45.0	52.5
Garnet	106	106	45.7	44.9	51.9
Kitchener	118	116	51.7	43.3	52.4
Red Life	119	118	52.5	44.4	51.2
Red Bobs No. 222	107	109	43.0	40.1	49.8
Renfrew	118	118	51.7	46.3	54.5
Marguis	115	113	47.1	41.0	53.4

Rod Row Tests:

In the 1927 rod-row tests 50 varieties and strains of wheat and 56 of barley were grown in quadruplicate. The barley test was spoiled to some extent by excessive lodging which resulted from the high winds and heavy rains of early July. The results will therefore be omitted here. The wheat test was but slightly interfered with and the following yields were obtained from named varieties:

Marquis	52.1	bush.	per	acre
Garnet	53.4	"	"	"
Reward	60.0	"	"	"
Ruby	52.1	"	"	"
Early Triumph	62.9	"	"	"
Supreme	65.0	"	"	"
Producer	52.5	"	"	"
Huron	66.7	"	"	"
Axminster	66.7	"	"	"
Vermilion	46.7	"	"	"

Pure Line Studies:

This year the lines of Renfrew and Red Bobs No 222 from the 1926 rod rows were grown in small plots for the purpose of a study of uniformity. It is hoped that this will result in the selection of a high-yielding, morphologically uniform strain of each of these varieties for multiplication. In all there were thirty-eight lines of Renfrew, and forty-three of Red Bobs No. 222. In addition to these similar work was carried on with twenty-four lines of Marquis.

Small plots of six reselected lots of Marquis and two of Red Fife were also grown, and the most uniform strain of each was chosen. These will be used for immediate multiplication as elite seed.

Cooperative Experiments:

Three cooperative experiments with cereals were carried on in 1927. The first of these was a study to determine the date of appearance of rust, the prevalence

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Producer	52.5
Harmon	66.7
Administer	66.7
Vermilion	46.7

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of the various strains of rust, and the relative resistance of wheat and oat varieties of this disease. Twenty-four wheat and eighteen oat varieties, received from the Dominion Rust Research Laboratory, Winnipeg, were grown for this study.

In cooperation with the Dominion Seed Branch, a study of seed taken from farmers' drills was carried out. There were twenty-five lots of oats and forty-eight of wheat. The resulting crop is being analyzed as to purity of variety, and a report will shortly be sent to the Seed Branch.

A test of the comparative winter hardiness of thirty varieties of winter wheat was carried out in co-operation with the U.S.D.A. This test has been under way since 1920, and was laid down again this fall. Though it is primarily a study of winter survival, we have kept yield records beginning with the seeding of 1921, and present a summary here for those varieties which have been in the experiment from the outset. Kharkof No. 22, the last variety on the list, has been under test only four years, but is added because it has met with most favour in Alberta:

Average Survival in Per Cent. and Yield in
Bushels of Winter Wheats at Edmonton, 1920- 1927.

Variety	Survival		Yield per acre.	
	1927 %	Av. 1920-27 %	1927 bu.	Av. 1920-27 bu.
Kharkof	33	49	42	26
Montana No. 36	40	52	52	28
Nebraska No. 60	35	55	50	27
Beloglina	55	57	72	38
Blackhull	43	43	31	19
Padui	70	63	72	27
Minturki	57	59	49	27
Kanred	35#	56	75#	37
Buffum No. 17	95	67	62	29
Minhardi	87	64	43	28
Odessa	95	68	62	31
Turkey (Selc.I.6152)	52	57	46	33
Kharkof No. 22	58	1923-27 78	43	1923-27 44

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Turkey (Selc. 1.6152)	52	46
Odeas	95	62
Minhardt	87	43
Britum no. 17	95	62
Kenned	55	75
Minturki	57	49
Padut	70	72
Blackbird	43	31
Belogline	55	72
Nebraska no. 60	35	50
Montana no. 36	40	52
Kharkof no. 22	33	42

#The yield of Kanred in 1927 is out of proportion to its survival this season. It was planted between two of the lowest yielders, and thus had an unfair advantage.

The history of this test gives an indication of the risk attending winter wheat production in the Edmonton district. No variety has succeeded in coming through any of the past seven winters without damage. In two of these seasons (1921-22 and 1922-23) every variety was completely winter-killed. On account of these occasional heavy losses, the average yields do not compare favourably with those of spring wheat at Edmonton. It is probable that in the southern part of the Province the relative position of the winter wheats would be improved.

In regard to Kharkof No. 22, it should be noted that this variety missed the two worst winters which pulled down the averages of the other varieties.

Cereal Breeding:

The cereal breeding projects under way have as an object the following productions: a smooth-awned barley which is satisfactory in other respects; a superior, early-ripening variety of wheat; an oat variety which does not throw false wild forms; wheat and barley varieties which are resistant to root-rots. The first crosses in connection with the last two projects were made during the past season.

A study of "Critical Periods" in the Growth of Cereal Varieties.

During the past season a beginning was made in the collection of systematic measurements of growth rates, and of dates of emergence, heading, flowering and maturity, in all named varieties of cereals grown at this station. As weather records are also available, it will be possible later to study the progressive development of the plants in relation to the

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seasonal march of weather conditions. This should show us more clearly how to develop varieties which fit better into our average climatic conditions.

III. - Forage Crop Investigations.

Morphological Variations in Alfalfa.

One of the greatest difficulties in the inspection and registration of alfalfa is the great variation found within varieties and the consequent lack of clear-cut distinctions between varieties and strains. The study of a number of strains, begun in 1925, has been continued. On account of the magnitude of the problem, it was decided this year to confine observations to the leaf and the inflorescence. From each of the more important strains fifty or more plants were taken at random, and from each of these plants a fully developed leaf and a normal inflorescence at the tripping stage were taken, pressed and mounted on cards for laboratory study. Detailed measurement studies of these leaves and inflorescences will be made during the winter. It is hoped that the study may make it possible to define more precisely varietal types and their normal range of variation.

In an attempt to secure more uniform strains, artificial selfpollination of selected plants is being practised. Seed from about 100 plants selfed during the past season will be planted next spring.

Seed-Setting Problems in Alfalfa:

As a necessary preparation for the investigation of abnormal conditions which may be responsible for the failure of seed to set, a study is being made of the normal development of the flower. As an additional line of attack on this problem, about a dozen plants which gave a heavy

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crop of seed in 1927 were harvested and threshed individually. The seed will be used to propagate new strains, which will be tested for seed-yielding capacity.

Morphological Variations in Agropyron Species:

A graduate student during the past summer collected a large number of forms of these species (one of which is the common Western Rye grass) in the vicinity of Edmonton from a group of strains grown at the Experimental Farm, Scott, Sask. A study of these forms is a preliminary step in breeding work with these important grasses.

Timothy Breeding and Variety Testing:

A plant of Swallow timothy, selected as the best out of 2500 belonging to various strains tested in 1920 and 1921, was multiplied separately, first vegetatively and later by seed from an isolated plot. A considerable block of individual plants of this strain is now being made the basis of further mass selection. About 50 superior plants were marked this year, and next year all the others will be cut before flowering, and seed taken only from the chosen ones. This seed will be propagated and the process repeated as a means of maintaining a gradually improving stock.

As a more rapid method of getting uniform strains, 21 good plants were artificially self-pollinated, and the first inbred generation will be propagated next season.

The next step in timothy improvement is the testing of new strains for comparative agricultural value. So far this has been limited to a comparison of the original Swallow stock and Boon. The latter is a production of the Dominion Experimental farms. This season Swallow, as in previous tests, gave a higher yield of hay. On the other

crop of seed in 1927 were harvested and threshed individually. The seed will be used to propagate new strains, which will be tested for seed-yielding capacity.

Morphological Variations in Aegropyron Species:

A graduate student during the past summer collected a large number of forms of these species (one of which is the common Western Rye grass) in the vicinity of Edmonton from a group of strains grown at the Experimental Farm, Scott, Sask. A study of these forms is a preliminary step in breeding work with these important grasses.

Timothy Breeding and Variety Testing:

A plant of Swallow timothy, selected as the best out of 2500 belonging to various strains tested in 1920 and 1921, was multiplied separately, first vegetatively and later by seed from an isolated plot. A considerable block of individual plants of this strain is now being made the basis of further mass selection. About 50 superior plants were marked this year, and next year all the others will be out before flowering, and seed taken only from the chosen ones. This seed will be propagated and the process repeated as a means of maintaining a gradually improving stock. As a more rapid method of getting uniform strains, 21 good plants were artificially self-pollinated, and the first inbred generation will be propagated next season. The next step in timothy improvement is the testing of new strains for comparative agricultural value. So far this has been limited to a comparison of the Swallow stock and Boon. The latter is a production of the Dominion Experimental farms. This season Swallow, as in previous tests, gave a higher yield of hay. On the other

hand, the first comparative test for seed production, which was made this year, indicated Boon to be superior in this respect.

Red Clover Breeding:

The three selections of Altaswede which have been carried on in isolated plots for some years, were allowed to produce seed again in 1927. In two of the strains there had been considerable killing last winter. Presumably the seed obtained this year is from the hardiest plants, and it will be used to set out new stands for further mass selection.

Corn Variety Tests:

Six varieties, in addition to four selections of white flint from H. Trelle, were compared with Howes' Alberta Flint. None of the varieties or selections were quite as early as Howes' Alberta Flint, though Trelle's strains were nearly as early. Some selections from Erskine were also quite early. North Dakota Flint yielded about 17.6 tons green weight per acre, but yielded no matured ears. Howes' Alberta Flint yielded about 8.2 tons of green weight per acre and about 1318 lbs. of hard cured ears per acre. Trelle's strains averaged about 7.7 tons of green weight per acre and about 1230 lbs. of hard cured ears per acre.

Grass and Legume Garden.

About thirty species, varieties and strains of alfalfa, sweet clover and grasses were grown, seven of which were new introductions. These were Teff grass, *Agropyron pungens*, a strain of yellow sweet clover and four lawn grasses. The Teff grass made a good growth (16" - 20" high) and appeared to be good pasture and a fair hay grass. It lodged somewhat however. All the lawn grasses made good growth and appeared

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Corn Variety Tests:

Six varieties, in addition to four selections of white flint from H. Trellie, were compared with Howes' Alberta Flint. None of the varieties or selections were quite as early as Howes' Alberta Flint, though Trellie's strains were nearly as early. Some selections from Franks were also quite early. North Dakota Flint yielded about 17.6 tons green weight per acre, but yielded no matured ears. Howes' Alberta Flint yielded about 8.8 tons of green weight per acre and about 1318 lbs. of hard cured ears per acre. Trellie's strains averaged about 7.7 tons of green weight per acre and about 1230 lbs. of hard cured ears per acre.

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to be very promising for lawn making purposes. Creeping Bent and Seaside Bent gave the most vigorous stoloniferous growth.

Method of Seeding Alfalfa for Hay Production:

The plots used for this experiment were seeded in 1926 and this year's cuttings were, therefore, the first hay crop. On account of the backward season the cuttings were made July 12th and September 27th, being about 2 or 3 weeks later than usual. In the following table the average yields from triplicate plots with various spacings between rows are reported on the basis of 15 per cent. moisture in the cured hay.

Spacings between rows.	Average hay yields in tons per acre.		
	First Cutting.	Second Cutting.	Total.
8 inches.....	2.09	1.62	3.71
12 "	2.09	1.44	3.52
18 "	1.85	1.47	3.32
24 "	1.87	1.38	3.25
30 "	1.77	1.28	3.05

It will be noticed that the yields fall off gradually with increasing width of spacing. The results of an earlier experiment of the same sort suggests, however, that in a season of less ample rainfall, the relationship would probably be changed. In the former experiment, the best yields of both hay and seed were obtained from the 24-inch spacing.

Method of Seeding Timothy and Western Rye Grass for Seed Production.

The experiment of which the first three years' results were reported last year in our timothy bulletin (Research Bul. No. 3) was completed in 1927. This year's results confirm the conclusion that in seasons of ample rainfall such as the present, higher yields of timothy seed

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are obtained from the narrowly spaced rows. The opposite result was previously found in dry seasons. However, with western rye, a much more drought-resistant grass, better results were obtained from narrow spacings in all seasons.

Time of Plowing Brome Grass Sod:

A second experiment was laid down in 1924 to test the conclusion reached as a result of an earlier experiment, namely, that early plowing was very important in the control of brome grass. This second experiment was completed in 1927, and largely confirmed the earlier results. The following table shows the average yield of wheat from triplicate plots, and the average number of volunteer brome plants in the wheat stubble, for various dates of plowing:

Yield of Wheat, 1927.

Time of Plowing	Bush. per acre.	Volunteer Brome Plants, av. no. per sq. yd.
July 16th, 1926.....	36.2	1.7
Aug. 16th, 1926.....	36.2	3.0
Sept. 20th, 1926.....	37.5	4.7
Oct. 15th, 1926.....	30.8	9.7
April 25th, 1927.....	29.4	17.3

The pronounced decline in yield with later fall plowing, found in the earlier experiment, did not occur this time, possibly because the abundant rainfall of 1926-27 supplied sufficient moisture both for the decomposition of the sod and the growth of the wheat crop. For effectiveness in controlling the brome grass, however, the results are again decidedly in favour of early plowing.

IV. - Plant Biochemical Investigations.

The following investigations are now being supported by the National Research Council: Winter hardiness, disease resistance, wheat quality and environment, and the drying of

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The following investigations are now being supported by the National Research Council: Winter hardiness, disease resistance, wheat quality and environment, and the drying of

tough and damp wheat. The first three of these have been discussed in earlier reports, and it will merely be stated here that they are progressing satisfactorily.

The Drying of Tough and Damp Wheat:

The wet harvest seasons of 1925 and 1926 came after a long period of years in which the quantity of wheat grain which required artificial drying had been relatively small, Consequently the drying facilities at the terminal elevators were quite inadequate for the large volume of damp grain in these wet years. This, together with the lack of scientific knowledge as to the effect of drying under various conditions, led to a considerable amount of injury both to the grain and to the reputation of Canadian wheat with British millers.

At the beginning of 1927, the Grain Research Committee of the National Research Council undertook to investigate the problem. This body secured the cooperation of the three Prairie Universities and the Dominion Grain Research Laboratory at Winnipeg. Four main lines of attack were laid down: (1) an investigation by a competent engineer of methods followed in commercial drying plants; (2) milling, baking and other tests of a large number of samples obtained from commercial drying plants, before and after drying; (3) similar tests of samples of known history, grown at the Universities and dried under controlled conditions in an experimental drier constructed at the University of Alberta; (4) similar tests of samples dried under a wide range of conditions in the experimental drier. The last project is meant to determine the limits of safety for temperature, etc.

The first two of these projects were completed during the year, and the others are well under way. It is

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now known definitely that under suitably regulated conditions, wheat can be dried without injury. It should be added that the operators of commercial driers have shown a keen desire to cooperate with the committee and to modify their methods wherever this may be found necessary.

Effect of Timothy, Western Rye, Brome Grass, and Alfalfa on the Yield and Quality of Succeeding Crops.

An important new project along this line was laid down this year in cooperation with the Department of Soils. Previous investigations here and elsewhere have shown that timothy meadows fall off rapidly in productivity, largely on account of a shortage of nitrates. It has been found also that other crops frequently yield less after timothy than after western rye or brome grass. These are our three most important grasses, and a fuller understanding of their effects on soil fertility is very desirable. A good stand was secured this year on 48 plots of these grasses and alfalfa (12 plots each). One cutting of hay was taken and both soil and plant analyses carried out.

V. - Plant Pathological Investigations.

A new Division of Plant Pathology within the Department of Field Crops came into existence with the arrival of a Plant Pathologist on October 1st. Since that date five projects have been outlined and preliminary work started on each. As this is an entirely new line of work in Alberta, and these projects are expected to be continued through several years, a rather full explanation is given here.

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1. Investigation of the occurrence, spread and longevity of cereal root-rot in the soil as influenced by (a) environment - soil type, soil reaction, etc. (b) species of organism.

Explanation.

Although it is commonly stated that cereal foot and root-rotting pathogenes live in the soil and accumulate there with successive crops of the same kind of grain, actually very little definite experimental evidence has been advanced in support of this assertion. It is well known that certain of these organisms live over winter on the stubble of the preceding crop, and also on and in the seed. Do they, however, actually live in the soil itself and spread through the soil from one point to another; how long do they persist there; do they live through one or more years of summerfallow; or are they dependent on the crop remains in order to persist? These are some of the questions this project is designed to answer; questions which are of fundamental importance in the cereal root-rot work. There are several organisms concerned in the case of each crop. Most attention will at first be directed on those which attack wheat. Undoubtedly environmental factors, such as soil type, soil reaction, soil moisture, etc., will affect each organism differently. Investigations on these questions will be important as a basis for devising methods of prevention.

Progress and Proposed Investigations:

The wheat in the varietal plots at the University of Alberta was badly affected with foot and root^{rot} during the past summer. The stubble and soil from several of the most severely affected plots, namely, those occupied by the varieties Red Bobs No. 222, Reward and Supreme, were used as sources of material. Isolations were made from the bases of discoloured culms taken from adjoining drill rows and from the adjacent soil between the drill rows. It would seem reasonable to expect that if the foot and root rotting fungi grow and spread readily through the soil, one would occasionally be able

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to isolate the same species from the soil between drill rows as from the adjoining stubble. One species of fungus, namely, Helminthosporium sativum, known to cause an important foot and root-rot of wheat and rye has been consistently isolated from the stubble of the above plots, but cultures from the adjacent soil have consistently failed to yield this fungus. Another destructive root-rotting fungus, namely, Fusarium Graminearum has been isolated from the stubble but not from the soil although other species of the same genus have been found in the soil. So far as the experiments have gone no relation has been found between the species of fungi occurring in the stubble and those in the soil. Many more isolations need to be made, however, before any conclusions can be drawn.

The known root-rotting fungi which have been isolated from the stubble are being used in other experiments.

2. Chemical treatments of soil and seed for the control of root-rots of cereals: (a) liquids; (b) dusts.

Explanation:

As chemical treatments of soil and seed offer a possibility of reducing root-rot damage it is planned to test out some of the more promising chemicals, and to determine their relative efficiency in reducing the root-rots caused by different species of fungi. Certain chemicals in liquid form, for instance dilute solutions of sulphuric acid, have been used as sprays for weed control and have also been reported effective in reducing root-rot damage. Rabate, the pioneer in this field in France, has demonstrated conclusively the effectiveness of sulphuric acid for weed control and, as a result, it is now used very extensively by farmers, especially in the wheat growing sections of France. He also claims that foot and root-rots are much

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Though other species of the same genus have been found in the soil, so far as the experiments have gone no relation has been found between the species of fungi occurring in the stubble and those in the soil. Many more isolations need to be made, however, before any conclusions can be drawn.

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reduced by the treatment, but as the results are somewhat variable considerably more work needs to be done under different conditions. Concentrations as high as 15% can be used without injury to wheat. Aslander points out that weeds are damaged most by sulphuric acid when under relatively dry conditions. Sulphuric acid merits a trial in Alberta for both weed and root-rot control.

Chemical dusts are used to a considerable extent at the present time for seed treatment to control smuts and other diseases of cereals. Some of them reduce seedling blight, which is largely a foot and root-rot of the young plant. New dusts are being devised each year, and it seems quite probable that one may be found which, when applied to the seed or soil, or both, will aid materially in root-rot control. Rather astonishing results have been obtained in the last few years with sulphur dust for rust control, so further work seems advisable in testing promising chemical dusts for foot and root-rot control.

Progress and proposed investigations.

As most of the work on this project will be conducted in the field, little has been done as yet except to obtain materials for work next summer. A hand sprayer and a supply of sulphuric acid has been obtained, and some preliminary tests have been made in the greenhouse for weed control. Oxalis plants which grow luxuriantly under the greenhouse benches, and which harbour a number of troublesome insect pests, have been sprayed with a 2% solution of sulphuric acid and this has proven effective in killing the plants, but the treatment will no doubt have to be repeated as new plants come up. It is much quicker and easier way to destroy the plants than by hoeing.

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3. Development of disease resistant varieties of crop plants (in cooperation with Division of Plant Breeding): (a) strips-resistant barley; (b) root-rot resistant wheat; (c) wilt and rust resistant flax.

Explanation.

The breeding of disease resistant plants is usually a local or regional problem, largely because of the almost universal occurrence of different physiologic forms of the same plant pathogen in different parts of the country. It will therefore no doubt be necessary for us to develop our own disease resistant varieties. The first steps will necessarily be to find strains of our different crops which are resistant to local forms of their plant pathogens and then to combine the resistance of these strains with desired agronomic characters by crossing and selection. Such work will be conducted cooperatively by the Division s of Plant Breeding and Plant Pathology.

Progress and Proposed Investigations.

One of the most destructive diseases of barley is known as "barley stripe" caused by Helminthosporium gramineum. Affected plants develop long brown stripes on the leaves and rarely produce any grain at all. A variety of winter barley known to be very resistant to this disease has been obtained from Belgium. Winter barley cannot be grown successfully in Alberta, so it is planned to make crosses between this variety and O.A.C. No. 21 and Canadian Thorpe, two of our best varieties of spring barley. Sowings of these three varieties have been made in the greenhouse so that crosses can be made during the winter. Barley stripe can be controlled fairly well by seed-treatment, but as the ordinary treatment for smut does not control it, it would be much better to have a resistant variety.

3. Development of disease resistant varieties of crop plants (in cooperation with Division of Plant Breeding): (a) stripe-resistant barley; (b) root-resistant wheat; (c) wilt and rust resistant wheat; (d) leaf and sheath blight resistant wheat.

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The work is being started on the assumption that the resistant parent used is resistant to local forms of the pathogen. This cannot be determined until next summer, but it was thought advisable to start the project in the meantime on the likelihood that a little time spent now may save much time later.

As no varieties are on hand that are known to be resistant to root-rots, it is planned to conduct varietal tests during the coming summer with different organisms to find if possible resistant strains which may be used as parents for breeding work. Different organisms will have to be dealt with separately, as it is very probable that a strain of wheat found resistant to one species of fungus will not be resistant to another. This sub-project will therefore involve considerable preliminary work.

Wherever flax is extensively grown, disease usually becomes a very serious limiting factor in its production. Although flax is a minor crop in Alberta at present, it is not unlikely that it may assume a more important place in years to come, especially in rotations where it is necessary to introduce dissimilar grain crops in order to reduce the damage from cereal root-rots. In anticipation of this need, and lacking a desirable disease-resistant variety to recommend, it seems advisable to begin work on this project. One or two late maturing varieties of seed flax which are resistant to wilt and immune from rust, and which were obtained from the Minnesota Agricultural Experiment Station, would serve as desirable parents for crosses. In themselves they are of little value for Alberta conditions, but there is little doubt that their disease-resistant qualities can be transferred to more desirable strains by breeding work.

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4. Survey of Plant Diseases in Alberta.

Explanation:

In order to ascertain what diseases are most troublesome in Alberta, their distribution in the different parts of the province under varying climatic (seasonal and regional), and soil conditions, a certain amount of survey work will be necessary from year to year. More of this will be necessary during the first few years of the work.

Progress and proposed plans.

Little opportunity for survey work was afforded this fall as most crops were harvested before work began.

A few observations were made around Edmonton, however, Ergot caused by Claviceps purpurea was especially prevalent, occurring on a great variety of wild and cultivated grasses. It was even found on timothy, a grass which is rather rarely attacked. It was very abundant on rye, fairly common on wheat and barley and even occurred on oats.

Rusts:

The following cereal rusts were observed:

Stem rust of wheat caused by Puccinia graminis tritici. Although this rust was rather prevalent on wheat and wild grasses, it apparently arrived too late to cause the severe damage which it occasioned in Manitoba and Saskatchewan.

Stem rust of oats (Puccinia graminis avenae)

Stem rust of rye (Puccinia graminis socialis)

Leaf rust of wheat (Puccinia triticina)

Leaf rust of rye (Puccinia dispersa)

Dwarf leaf rust of barley (Puccinia anomala (rare in N.W.))

Powdery mildew of wheat (Erysiphe graminis)

This mildew was abundant on winter wheat plots at University.

Explanation:

In order to ascertain what diseases are most troublesome in Alberta, their distribution in the different parts of the province under varying climatic (seasonal and regional), and soil conditions, a certain amount of survey work will be necessary from year to year. More of this will be necessary during the first few years of the work.

Progress and proposed plans.

Little opportunity for survey work was afforded this fall as most crops were harvested before work began. A few observations were made around Edmonton, however, Wheat caused by Glaucospora purpurea was especially prevalent, occurring on a great variety of wild and cultivated grasses. It was even found on timothy, a grass which is rather rarely attacked. It was very abundant on rye, fairly common on wheat and barley and even occurred on oats.

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This mildew was abundant on winter wheat plots at University.

Foot and Root-Rots. (Helminthosporium sativum)

Fusarium spp. etc.

Destructive on wheat varietal plots. Reported severe in different parts of province.

Clover mildew (Erysiphe polygoni) - common

Corn smut (Ustilago zeae) - Conspicuous by its absence.

Leaf sport of ^{barley} (Helminthosporium sativum) and (Helminthosporium teres) - moderately abundant on volunteer barley.

Smut Diseases:

Covered smut of oats (Ustilago levis)

Loose smut of oats (Ustilago avenae)

It is planned during the coming summer to make a fairly comprehensive survey of crop diseases in different parts of the province over a period of about two months.

5. Cooperative investigations with Division of Plant Biochemistry on rust resistance.

Explanation:

At present cooperative experiments are being made to determine the relative toxicity of different phenolic compounds from wheat to an organism (Helminthosporium sativum) which attack wheat but which, unlike the rust fungus Puccinia graminis tritici can be grown saprophytically on culture media. It is thought that this may give an indication of which compounds may be toxic to the rust fungus, and some idea of the concentrations in which they are toxic.

Progress and Plans.

The plan is to grow the fungus in flasks on a liquid medium (Knop's nutrient solution), the different flasks containing different concentrations of the phenolic compounds. The dry weights of mycelium developing at the different concentrations are then to be used as measures of relative

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Trisetum spp. etc.

Root and Root-Rots. (*Helminthosporium sativum*)

toxicity. The first experiments are now under way.

DEPARTMENT OF HORTICULTURE.

The work in horticulture is outlined under the following headings: greenhouse, experimental plots, nursery, and permanent plantings.

In that portion of the greenhouse used by the department is grown a variety of plants such as are generally grown in the home. Instruction is given the students in propagating, potting and caring for these plants as well as in the propagating of all kinds of fruits and ornamental shrubs. In the greenhouse is also grown the annual flowers for bedding out purposes for summer bloom.

In the experimental plots small fruits have now made their tenth seasons growth and the results clearly demonstrate that there is no reason why they cannot be grown successfully by any one who has a certain amount of shelter or protection for them. During this time the yields have been controlled more by the amount of manuring, cultivation and care than by the weather. Only once in these ten years has a spring frost seriously reduced the crop, and last year was the first time that an insect pest really destroyed a crop - the currant maggot ruined the crop of currants.

The work with the tree fruits has not been at all successful. Nine varieties of standard apples, known to be hardy, were planted and today not one of them is left. In all cases the trouble seems to be from what is called black heart caused by freezing of the heart wood when the tree is one or two years old. This causes the heart of the tree to decay and ultimately leads to its death.

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The remedy seems to be to grow trees for a few years in such a way that their trunks will be protected from hard freezing. Another plan is to grow Siberian crab apples until a good sized tree has been obtained then top graft with the desired standard apple. During these ten years' growth not a single Siberian crab apple tree has been injured, growth starting from the terminal bud each spring. Unfortunately the Siberian apple is so small - less than half an inch in diameter. It however makes a lovely tree when in full bloom and the apples make good jelly. One tree has been found that makes a jelly that is the equal of the cultivated crab for table purposes. It is blood red in color, fully half an inch in diameter and will be propagated. Some of the larger Siberian crab trees will be top grafted in the spring with standard apples. This will furnish material for breeding work later on. Three specially selected plum trees fruited for the first time and give promise of being worth while.

In the nursery is grown a supply of trees, shrubs and perennial flowers for setting out in the permanent plantings on the grounds. Each year new varieties have been added and more will be added again this year for trial. The list of ornamental trees, shrubs and perennial flowers hardy and suitable for the province, is steadily growing. Even now it is possible to plant up the grounds around a home with quite a wealth of plants.

There was no winter killing of any kind in the permanent plantings. In many instances these plantings are making really wonderful growth. Some of the elms are thirty feet high and only planted eleven years. More planting was done during the year.

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DEPARTMENT OF ENTOMOLOGY.

Courses given and attendance:

				<u>Attendance</u>
Entomology 1.	{ Junior }	2 hrs. lecture		15
Entomology 61	{ Senior }	3 " " -3 hrs. lab.		9
Entomology 62	{ Senior }	6 " " -lab.		<u>2</u>
Total				26

Entomology 51, which has in the past been offered for Senior students in Agriculture, has, this year, been combined with Entomology 61, originally offered for Arts students.

Insects Collections.

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Owing to a general scarcity of insects during the summer of 1927 few additions have been made to either collection.

Library:

Few additions have been made to the library which is still inadequate for the requirements of senior students. A large appropriation would be necessary in order to bring it up to a working standard for investigational purposes.

Publications:

A revised edition of the University Bulletin upon Wireworms of Alberta has been prepared and published. The **only** other publications from this Department have been a few articles upon current problems for distribution by the Department of Agriculture.

Extension Work:

About 15 addresses have been given to farmers and other organizations. These dealt, for the greater part, with the sawfly menace.

Two radio talks, on current matters, were given during the winter.

Conferences attended:

An important conference of the workers upon the control of prairie inhabiting crop pests was attended at Saskatoon in September. Two papers were presented here by

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Investigational Work:

Wireworms.- The investigation, under the auspices of the National Research Council, upon the control of Wireworms is proceeding. The greater part of the summer was devoted to standardising a technique for employment with the incubators that were installed at the beginning of the season. It is hoped that accurate information upon the effect of variations in soil temperature and moisture upon the viability of the eggs will be obtained in 1928. During the present summer, on account of our inability to complete tests upon the rate at which soils take up and lose moisture under varying conditions, uniform temperature and moistures were employed during the early summer, at which time, only, eggs can be obtained.

A number of materials for seed treatment, which have received current approval as deterrents, were tested very carefully and repeatedly. None was shown to have any appreciable value in this connection, and several greatly retarded germination.

Mr. H. A. MacGregor, a senior student in Agriculture, assisted in this investigation.

Wheatstem Sawflies.- In cooperation with a number of farmers in the heavily infested area around Consort and Provost a number of experiments were conducted upon the efficacy of various cultural methods for the reduction of losses by this pest. Standard control measure, which are advocated in neighbouring provinces, proved to be very disappointing when their effects were carefully tested in

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Our observations and experiments indicated that trap crops offered the greatest promise as a means of reducing saw-fly damage.

Much more work is, however, necessary before we can place control measures upon a firm basis, and this Department has not the personnel necessary for undertaking this work.

General Insect Conditions in Alberta, 1927.

The spring of 1927 was unusually backward and wet throughout the province. This appears to have affected insect abundance markedly. It was very favourable to a great increase in the mosquito population, and to a less extent to gad-flies. Non-aquatic species of insects were, for the greater part, much reduced in numbers. Insect damage was below normal.

Grasshoppers.

No damage records from Alberta.

Severe damage was anticipated in the Peace River District and preparations were made to cope with the situation. During May 'hoppers emerged in devastating numbers from overwintering eggs. Their appearance was followed, almost immediately, by a succession of heavy cold rains which reduced their population to negligible proportions.

Cutworms.

Two wet springs in succession resulted in the complete absence of grain infesting cutworms, in injurious numbers, in any part of Alberta.

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Unlike the true cutworms these insects increase in

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Bertha Cutworms.

This somewhat alarming pest of dictyledonous plants, such as flax, sweet clover, sugar beets and garden produce caused serious losses in many parts of the province. Prior to 1925 it was considered to be a rare insect, but in recent years it has shown a steady annual increase. Its habits are not as yet fully known.

Wireworms.

Owing to the cool wet spring actual feeding by wireworms was above the average. Uninjured plants, however, made an unusual growth while slightly damaged plants were able to recover. The damage recorded is below the average.

Wheatstem Sawflies.

Egg laying in wheat was, probably, more heavy in Alberta than it has ever been in former years. The wet spring, however, resulted in the majority of the larvae perishing in the straws. As a result the sawfly population has been greatly reduced and there was a little loss from this source.

Red Turnip Beetle.

This is a steadily increasing pest of cruciferae in northern Alberta. We received many requests regarding methods of control.

Potato Beetle.

In 1923 this insect extended its northern range to about 25 miles north of Edmonton. In 1927 the most northerly record was at Innisfail, about 130 miles farther south.

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DEPARTMENT OF SOILS.

The research work of the department was carried along the same lines as in 1926, except that certain extensions were found necessary in connection with some of the projects.

The various lines of work pursued were as follows:

1. Soil Survey.
2. Experimental work in soils (plot work).
3. Availability of plant-foods under field conditions (decomposition of the soil's organic matter).
4. Other research problems.
5. Analysis of miscellaneous samples:
 - (a) Soil samples sent in by farmers.
 - (b) Alkali soil samples.
 - (c) Drainage waters.

1. During the summer of 1927 the regular field work of the soil survey was confined to the St. Ann Sheet. The total area surveyed in 1927 was smaller than in any previous year, owing first to the time required in making preparations for the visit of the delegates to the International Congress of Soil Science, and second, the time required to collect and prepare monolith samples of the major soils of Alberta.

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On July 13th the delegates of the First International Congress of Soil Science, numbering over 200 and representing 30 different countries, visited the University and studied the soils in the vicinity of Edmonton. This visit left an extremely favourable impression upon the delegates and should ultimately result in a very wholesome sort of advertisement for Alberta, which has been given special mention in reports to hand.

Monolith samples of soil from the brown belt, the transition belt, and the black belt and the wooded belt were collected in duplicate. One set of these samples is on exhibit in the Parliament Buildings and the other in the laboratories at the University. They are almost invaluable as instructional and demonstration exhibits.

The third soil survey report, that of the Sounding Creek sheet, is now in the hands of the printer and will soon appear as Bulletin 16. This covers an area of approximately 2 $\frac{3}{4}$ million acres adjacent to the Goose Lake Branch of the C. N. R. extending from Hanna to Alsask. This together with the Macleod and Medicine Hat Sheets will bring the areas for which reports are prepared up to almost 8 million acres.

The field work and analytical work for 1/2 of the St. Ann Sheet is almost completed and the report should be ready late in 1928.

2. The wheat yields from the Experimental plots were higher than for 1925 but the percentage variation for the different plots is about the same as for previous years. This will necessitate the continuation of this study for several years before fertilizers can be applied to certain of the plots.

3. The routine work in connection with the investigation

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3. The routine work in connection with the investigation

on the availability of plant foods under field conditions was largely discontinued and special phases of this work was expanded, such as the periodical fluctuation in nitrate accumulation and disappearance.

A cooperative project, in connection with the Department of Field Crops, to determine the effect of various grasses and legumes upon the production and quality of subsequent cereals was started early in 1927. This project will probably require 5 years for its completion.

4. Other research problems pursued during the year are enumerated below:

(a) Possible plant food deficiencies in Wooded Soils of Alberta.

Preliminary work in the nature of pot cultural experiments has been carried on for the past three years with very promising results (as indicated by the following tabulated summary), but before it would be safe to offer general recommendations to farmers regarding this Wooded soil it would require at least five years results under actual field conditions.

Crop yields as Affected by Fertilizers Applied to Wooded Soils.

(Relative Yields, Check Equals 100)

	<u>TREATMENT</u>					Lime Phos- and Phos.	Compl. Ferti- lizer	Pot- ash	Sul- phur
	None	Manure	Nitrogen	Lime	phate				
2 crops									
Barley:Grain	100	119	128	133	141	150	161	98	102
2 crops									
Barley:Straw	100	126	132	126	139	155	179	87	81
1 crop									
Wheat:Grain	100	116	122	151	164	164	141		
2 crops									
Wheat:Straw	100	123	127	139	147	157	152		
2 crops									
Sweet Clover	100	113	105	119	127	118	106		
Ave. increase									
due to treatment%		19	23	34	44	55	48		

We can not make general recommendations for the treatment and management of these soils without first procuring the

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TREATMENT									
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Time Compd. Phos. and Ferti- Pot- Sul-									
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2 crops	Barley: Straw	100	126	132	126	139	155	179	87 81
1 crop	Wheat: Grain	100	116	122	151	164	164	141	
2 crops	Wheat: Straw	100	123	127	139	147	157	152	
2 crops	Sweet Clover	100	113	105	119	127	118	106	
Ave. increase due to treatment 19 23 34 44 55 48									

We can not make general recommendations for the treatment and management of these soils without first procuring the

necessary field data. Thus we feel that this work should be undertaken at the earliest possible date, otherwise the demand, as at present, will be far in advance of the necessary information.

- (b) Possible Symbiotic Fixation of Nitrogen by Non-leguminous Plant.
- (c) Sulphur content of Alberta Soils.
- (d) Variation in Reactions of Alberta Soils.
- (e) Characteristics of Typical Soil Profiles in Alberta.
- (f) Biological Activities in Soil from Different Parts of Alta.
- (g) Respiration and Nutritive Relationships as Affecting Plant Growth.
- (h) Fertiliser Deficiencies in Peats.

Sufficient progress has been made on the following projects (a), (c), (d) and (e) to justify the preparation of journal papers.

5. The services in connection with the analyses of samples of soil, alkali and drainage waters have been continued throughout the year.

The following contributions from the Department of Soils have been published in 1927:

"Variation in Plot Fields due to Soil Heterogeneity", by F.A.Wyatt in Sci. Agr. Vol. VII, No. 7, March 1927.

"Nitrate Production Under Field Conditions in Soils of Central Alberta", by F.A.Wyatt, A.S.Ward and J.D. Newton in Sci. Agr. Vol. 7 No. 10, June 1927.

The following two papers have been accepted but have not as yet appeared in print.

"Alberta Soil Profiles", by F.A.Wyatt and J.D.Newton to be published by the

Proceedings of First International Congress of Soil Science. (Abstract of above paper published in June 1927).

Science. (Abstract of above paper published in June 1927).

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(H) Fertiliser Deficiencies in Pests.

(G) Respiration and Nutritive Relationships as Affecting
Plant Growth.

(F) Biological Activities in Soil from Different Parts of Alta.

(E) Characteristics of Typical Soil Profiles in Alberta.

(D) Variation in Reactions of Alberta Soils.

(C) Sulphur content of Alberta Soils.

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"Soil Survey of Sounding Creek Sheet" by F.A.Wyatt, J. D. Newton and J. A. Allan with T. H. Mather, L. I. Doughty and A. S. Ward assisting. Bulletin 16, University of Alberta. Note. The Department of Agriculture cooperated as usual in the work of the Soil Survey by financing the field operations. The Minister of Agriculture also arranged to send Dr. Wyatt to the World Congress at Philadelphia.

DEPARTMENT OF AGRICULTURAL ENGINEERING.

The teaching work in this department is divided into three branches. Farm Buildings, Farm Machinery and Farm Motors. At the present time there are 12, 18 and 5 students respectively in the three courses, while last session there were 11, 12 and 4 registered in the courses mentioned above. The Diploma students, six in number, are receiving a special course.

As in the past the various machine companies are co-operating very closely with us in our efforts along educational lines in connection with the more efficient operation of all kinds of farm machinery. As far as space permits, we try to keep sufficient machinery in our laboratory for demonstration purposes. The various types of machines are changed throughout the winter as our needs demand. Samples of plow bottoms, display boards, and sections of bearings, etc., are supplied, and facilitate our work very considerably. Charts and lantern slides are also of great assistance to us. In connection with our work in gasoline engines and tractors, we have been fortunate in securing sectional engines, motors, and carburetors from the International Harvester Co., the Ford Motor Co. of Canada, The Massey Harris Co., The J.I. Case Threshing Machine, Co., The Cockshutt Plow Co., and the Advance Rumely Co. We

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J. D. Newton and J. A. Allan with T. H. Mather, L. I. Doughty
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have several tractors in the laboratory each winter.

This equipment, along with the work taken up in detail, enables a student to gain a very practical knowledge of the machines used on the average farm. He should be able to advise farmers in his community about the different important features of the various makes of plows, tillage, seeding and harvesting machinery, both horse and tractor drawn. He ought to be able to help his neighbors in harvest season, and advise them in connection with the solution of their power farming problems.

In addition to the teaching work there is a considerable volume of correspondence and approximately 1000 letters have been sent out up to this date since January 1st, 1927. During the winter months there are one or two callers almost every day. Some have listened in on the radio and want further information, others are seeking assistance in the purchase of field machinery, tractors, etc., while again others have inventions about which they wish advice.

The various tractor companies have received assistance at their Power Farming Schools by way of one or more addresses. Four talks were given over the radio. The Bulletin (No. 6) on "Plows and Plowing" was revised and enlarged and published in its third edition last spring. The "Ropework Bulletin" (No. 9) was reprinted also, and the demand for these bulletins seems to indicate that they are meeting a real need.

NOTES.

1. Members of our staff have given lectures at different parts of the Province as arranged by the Director of the University Extension Department.

2. Members of our staff have taken part in conferences

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NOTES.

Members of our staff have taken part in conferences
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University Extension Department.
Members of our staff have taken part in conferences

and meetings arranged by the Provincial Department of Agriculture.

3. A large number of lectures have been given on request by members of our staff. There were more requests than could possibly be complied with. There is a definite need for more staff assistance in order to meet the steadily growing demand.

4. Our Professors contributed to a definite Agriculture Radio Program put on under the direction of the Extension Department, giving one lecture each week on Farmers' night. This year the service has been doubled. A copy of the Radio Program is given at the end of this report.

5. A heavy correspondence is maintained throughout the year on technical subjects, answering questions sent in by farmers from all over the Province.

6. The success of our livestock exhibits at the Toronto Royal and the Chicago International has been very gratifying this year. Our system of securing contributory exhibits has, we feel, resulted in benefit to the University and to the Breeders of the Province.

The following list of Bulletins have been issued under the auspices of our Publication Committee:

Bulletin No.

1. Roughages for wintering Pregnant Ewes.
2. Growing Sweet Clover.
3. Growing Registered Seed in Alberta.
4. Altaswede Red Clover.
5. Potato Diseases.
6. Plows and Plowing.
- 7; The Production of Fall Pigs in Alberta.
8. Oat Silage vs. Sunflower Silage for Fattening Steers.
9. Ropework for the Farm.
10. Binder and Knotter Troubles.
11. Soil Survey Report of Macleod Sheet.
12. Age as a factor in the Profitable Feeding of Steers.

Circular No.

2. Howes' Alberta Flint Corn.
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Research Bulletin No.

1. The Nature and Practical Measurement of Frost Resistance.
2. Wireworms of Alberta.

Many of these Bulletins have had a wide circulation and have secured high rating from outside authorities. We would call attention to the fact that these Bulletins are almost wholly made up of reports upon work resulting from our direct investigations and experiences. Our college still holds a high place throughout Canada and elsewhere for the calibre of this work, hence the high rating of these publications

Radio Program for Farmers' Night:

1927

November 24	E. A. Howes	Review of Program
December 1	W. H. Cook	Some problems related to the Commercial Drying of Wheat.
	Dr. C. P. Marker	Alberta's Dairy Industry.
December 9	Dr. J. D. Newton	Soils Population and its Industry.
	Prof. E.H. Strickland	Causes of Insect Outbreaks.
December 13	Prof. J. Macg. Smith	A Tale of Yesterday, to-day and tomorrow.
	Dr. C. P. Marker	Marketing of Dairy Products.
December 22	J. M. Manson	Wheat Quality in Relation to Combine Harvesting.
	R. D. Sinclair	Giving the Fall Pigs a chance
December 29	Prof. G. Harcourt	Winter care of House Plants.
	Prof. J. P. Sackville	Alberta Livestock at the 1927 Eastern Shows.

1928

January 5	A. S. Ward	How Plants Feed.
	Dean Howes	Short Course Announcement.
January 12	Dr. C. P. Marker	Quality in Dairy Products.
	Prof. J. Bowstead	Efficient Winter Dairy Rations.
January 19	Dr. A. W. Henry	Diseases of Field Crops.
	W. J. Stephen	Registered Seed.

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December 13	Prof. E. M. Strickland	Causes of insect outbreaks.
December 13	Prof. J. Macg. Smith	A Tale of Yesterday, to-day and tomorrow.
December 13	Dr. C. P. Marker	Marketing of Dairy Products.
December 28	J. M. Manson	Wheat Quality in Relation to Combine Harvesting.
December 29	Prof. G. Harcourt	Giving the Fall Pig a chance.
December 29	Prof. J. E. Sackville	Winter care of House Plants.
December 29	Prof. J. E. Sackville	Alberta livestock at the 1927 Eastern Show.
January 5	Dr. A. St. Ward	How Plants Feed.
January 10	Prof. J. E. Sackville	Short Course Announcement.
January 18	Dr. C. P. Marker	Quality in Dairy Products.
January 18	Prof. J. Bowstead	Efficient Winter Dairy Rations.
January 19	Dr. A. W. Henry	Diseases of Field Crops.
January 19	W. J. Stephen	Registered Seed.

January 26	Dr. P. R. Talbot Prof. E.H. Strickland	Diseases of Sheep. Principles of Insect Control.
February 2	T. H. Mather Prof. J.P. Sackville	Soil Problems of Older Agriculture. Beef Cattle Outlook for 1928
February 9	Dr. D. MacGibbon Dr. A. W. Henry	Cooperative Marketing. The Menace of Cereal Root-Rot.
February 16	Prof. J. Macg. Smith Dr. D. MacGibbon	Power Farming I. Cooperative Marketing.
February 23	Prof. J. Macg. Smith Dr. D. MacGibbon	Power Farming II. Cooperative Marketing.
March 1	A. Leahey Dr. D. MacGibbon	How Soils are Made. Cooperative Marketing.
March 8	J. A. Anderson Prof. J. Bowstead	How Plants Fight their Disease Enemies. With the Flock at Lambing Time
March 15	Prof. Geo. Harcourt Prof. E.H. Strickland	How to make and care for Hot Beds. Some Common Garden Insects.
March 22	Dean Howes Prof. J. M. Smith	History of Agriculture. Flows - Their Operation and Adjustment.
March 29	A. E. Clarke Prof. J. M. Smith	Fighting Crop Diseases by Plant Breeding Methods. Better Ploughing.
April 5	Dr. F. A. Wyatt Prof. J. P. Sackville	The World's Fertilizer Trade. Year's Progress in Solving Livestock Problems.
April 12	Prof. G. Harcourt Prof. E. H. Strickland	Suggestions for Kitchen Flower Garden. Shade Tree Insects.
April 19	Prof. J. Fryer Deputy Minister Craig.	Agricultural History of Alfalfa
April 26	Prof. E.H. Strickland Prof. Geo. Harcourt	Can we Forecast Insect Outbreaks. Small Greenhouses.
May 3	Prof. G. Harcourt Prof. R.D. Sinclair	Fruits for the Home Garden. Feeding in Relation to Ultimate Bacon Type.
May 10	Dr. C. P. Marker W. J. Stephen	Butter Making in the Home Dairy Weed Control
May 17	Dr. P. R. Talbot D. Chalmers	Diseases of Swine Bee Culture

May	17	Dr. P. R. Talbot	Bee Culture
May	10	Dr. C. P. Marker	Butter Making in the Home Dairy
May	3	Prof. R. D. Sinclair	Feeding in Relation to
May	3	Prof. G. Harcourt	Fruits for the Home Garden
January	8	Prof. Geo. Harcourt	Small Greenhouses.
April	26	Prof. E. H. Strickland	Can we Forecast Insect Outbreaks.
April	19	Prof. J. J. Tryer Deputy Minister Craig.	Agricultural History of Alberta.
April	12	Prof. E. H. Strickland	Shade Tree Insects.
April	12	Prof. G. Harcourt	Flower Garden.
April	12	Prof. G. Harcourt	Suggestions for Kitchen
April	5	Prof. J. P. Sackville Dr. F. A. Wyatt	Livestock Problems. Year's Progress in Solving The World's Fertilizer Trade.
March	29	Prof. J. M. Smith	Better Ploughing.
March	29	A. E. Clark	Plant Breeding Methods.
March	22	Prof. J. M. Smith	Plant Breeding Methods.
March	22	Dean Howe	History of Agriculture.
November	1	Prof. E. H. Strickland	Some Common Garden Insects.
November	24	Prof. G. Harcourt	Beds.
March	15	Prof. Geo. Harcourt	How to make and care for Hot
March	8	J. A. Anderson	With the Flock at Lambing Time
March	8	Prof. J. Bowstead	Disease Enemies.
March	8	Prof. J. Bowstead	How Plants Fight their
February	16	Prof. J. Macg. Smith Dr. D. Macgibbon	Cooperative Marketing.
February	16	Prof. J. Macg. Smith	Power Farming I.
February	9	Dr. D. Macgibbon Dr. A. W. Henry	Cooperative Marketing. The Menace of Cereal Root-Rot.
February	23	Prof. J. Macg. Smith Dr. D. Macgibbon	Cooperative Marketing.
February	23	Prof. J. Macg. Smith	Power Farming II.
January	26	Prof. E. H. Strickland Dr. P. R. Talbot	Principles of Insect Control. Diseases of Sheep.

May 24 Dr. C. P. Marker
Dean Howes.

Helpers in the Dairy Business.

May 31 Prof. G. Harcourt
D. Chalmers.

Weedless Lawns.
Bee Culture.

A Question and Answer Bureau is carried on through
the Radio.

Respectfully submitted,

E. A. Howes

E. A. Howes,
Dean.

May 24 Dr. C. F. Marker
 Dean Howes.
 May 31 Prof. G. Harcourt
 D. Chalmers.
 Bee Culture.
 Weedless Lawns.
 May 25 Dr. P. A. Taylor

A Question and Answer Bureau is carried on through

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 Dr. B. Macdonald
 February 23 Prof. J. Macdonald
 Dr. B. Macdonald respectfully submitted.

E. A. Howes

E. A. Howes,
 Dean.

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 March 22 Prof. J. Macdonald
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APPENDIX 11

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THE REPORT OF THE DEPARTMENT OF EXTENSION

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BULLETIN OF THE UNIVERSITY OF ALBERTA

UNIVERSITY OF ALBERTA
DEPARTMENT OF EXTENSION



Annual Report for Year Ending
June 30, 1927

Published by
The Department of Extension, University of Alberta
Edmonton, October, 1927.

COMMITTEE ON UNIVERSITY EXTENSION

HENRY MARSHALL TORY, M.A., D.Sc., LL.D., F.R.S.C., F.R.H.S.,
Chairman.

ALBERT EDWARD OTTEWELL, M.A., Director.

EDWARD ANNAND CORBETT, M.A., Assistant Director.

MISS FLEMING MONTGOMERY, B.A., Extension Librarian.

DONALD EWING CAMERON, M.A., Librarian of the University.

Annual Report of The Department of Extension for Year Ending June 30, 1927

September, 1927.

Dr. H. M. Tory,
President,
University of Alberta.

Sir:

I have the honour to present herewith report on the work of the Department of Extension for the academic year ending June 30th, 1927.

There have been substantial increases in several departments of our work. Particular attention should be called to the increase in circulation of books from our Travelling Library and the expansion of our radio work. These features will be noted under their respective headings.

Under the different divisions of our organization, statistical and other information is as follows:

Extension Lectures

During the period covered by this report, 347 extension lectures were given exclusive of radio lectures. The aggregate attendance at these lectures was 38,405—an average attendance of 110. The corresponding figures of a year ago are 488 lectures with an aggregate attendance of 55,545. It will be seen that there is a decrease of 141 lectures. Two facts account for the decrease:

(1) We have loaned the Assistant Director of the Department to the Red Cross Society where he is acting in the capacity of Provincial Commissioner. He has consequently not been available to the same extent as previously for extension lectures. This has meant that the Director has had to carry on the work of administration to a greater extent, and he also has not been as free to accept outside engagements.

(2) There has also been an increasing demand for advisory and administrative assistance by different organizations, the result of which cannot be tabulated statistically.

Of the lectures recorded, 171 were given by the Director, 41 by the Assistant Director, 142 by Mr. McCallister, and 28 by other members of the University staff.

The course in General History for employed women, at the Y.W.C.A. Club Room, was continued. This year the subject was Canadian History, the whole course being calculated to lead up to Confederation. Twenty lectures were given. In general the interest and attendance were well maintained. We acknowledge, with pleasure, assistance received from a number of gentlemen of the city who helped with this course.

As in former years, courses of lectures were given to the Boards of Trade in Calgary, Lethbridge, and Medicine Hat, and occasional lectures at Edmonton, Lacombe and Bentley. The Vegreville Board of Trade was not included this year for the reason that their requested lectures which we were not able to put on owing to pressure of other work.

Radio Lectures

As was intimated in the introduction, there has been a notable expansion in radio work. At the beginning of the term a studio was equipped in the Department of Extension, and full responsibility was assumed for one evening program per week, Monday evening being set aside for that purpose by C.F.C.A., the Edmonton Journal Radio station.

Eighty-five (85) radio lectures were given as well as musical programs. The Departments contributing to the largest extent are enumerated as follows:

Field Husbandry	9 lectures
Animal Husbandry	8 lectures
Horticulture	6 lectures
Agricultural Engineering	4 lectures
Poultry	3 lectures
Mineralogy, Soils and Entomology	2, 2, 3, lectures respectively

Special mention should be made of a series contributed by Prof. Moore, who gave seven addresses on the general topic of animal cycles and bird migrations, and Dr. Tuttle of St. Stephen's College, who gave a short series in a longer series under the general heading of Evolution. Under this general heading, eight lectures were given. Brother Rogation of St. Joseph's College, also assisted with two lectures. An analysis shows that 38 lecturers who assisted with the program were members of the University staff or affiliated colleges, and eight lectures were contributed by outsiders who were requested to deal with special topics.

In addition to the lectures, special features of the radio work have been national weeklies for English, Irish, Scotch, Welsh and French. A notable event was the broadcasting of a French play which was very enthusiastically received by the French-speaking part of our radio audience. Several other plays were broadcast, and musical evenings of a combined educational and entertaining character were put on. For instance, special programs illustrating the work of great composers, accompanied by short radio talks on their work, were from time to time featured.

Of the lectures recorded, 171 were given by the Director, 41 by the Assistant Director, 102 by Mr. McAllister, and 33 by other members of the University staff.

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Dairying, Soils and Entomology.....	2, 2, 3, lectures respectively

Special mention should be made of a series contributed by Prof. Rowan, who gave seven addresses on the general topic of animal cycles and bird migrations, and Dr. Tuttle of St. Stephen's College, who gave a short series in a longer series under the general heading of Evolution. Under this general heading, eight lectures were given. Brother Rogation of St. Joseph's College, also assisted with two lectures. An analysis shows that 38 lecturers who assisted with the program were members of the University staff or affiliated colleges, and eight lectures were contributed by outsiders who were requested to deal with special topics.

In addition to the lectures, special features of the radio work have been national evenings for English, Irish, Scotch, Welsh and French. A notable event was the broadcasting of a French play which was very enthusiastically received by the French-speaking part of our radio constituency. Several other plays were broadcast, and musical evenings of a combined educational and entertaining character were put on. For instance, special programs illustrating the work of great composers, accompanied by short radio talks on their work, were from time to time featured.

Annual Report of The Department of Extension for Year Ending June 30, 1927

September, 1927.

Dr. H. M. Tory,
President,
University of Alberta.

Sir:

I have the honour to present herewith report on the work of the Department of Extension for the academic year ending June 30th, 1927.

There have been substantial increases in several departments of our work. Particular attention should be called to the increase in circulation of books from our Travelling Library and the expansion of our radio work. These features will be noted under their respective headings.

Under the different divisions of our organization, statistical and other information is as follows:

Extension Lectures

During the period covered by this report, 347 extension lectures were given exclusive of radio lectures. The aggregate attendance at these lectures was 34,426—an average attendance of 110. The corresponding figures of a year ago are 488 lectures with an aggregate attendance of 56,545. It will be seen that there is a decrease of 141 lectures. Two facts account for the decrease:

(1) We have loaned the Assistant Director of the Department to the Red Cross Society where he is acting in the capacity of Provincial Commissioner. He has consequently not been available to the same extent as previously for extension lectures. This has meant that the Director has had to carry on the work of administration to a greater extent, and he also has not been as free to accept outside engagements.

(2) There has also been an increasing demand for advisory and administrative assistance by different organizations, the result of which cannot be tabulated statistically.

Special mention should be made of the co-operation of Mrs. Carmichael, Director of the University Orchestra, Lieut. Cromarty, Bandmaster of the C.O.T.C., and Mr. Couper.

In order to register as far as possible the effectiveness of the radio work, a radio club has been organized, and each month a list of programs to be given is sent out in advance so that our radio friends may know what to expect. At the present time we have 387 regular correspondents on our radio list. Hundreds of letters have been received from all parts of the country.

It is hoped that for the coming term a very considerable expansion of radio service will be possible. At present radio lectures are typewritten and many copies are sent to people who request them after having heard the radio broadcast.

Publications

During the period covered by the report, nine Press Bulletins have been issued with an average circulation of approximately 2,500. The titles of the main articles published in the bulletins are as follows:

Milling and Baking Qualities in Wheat—by Dr. R. Newton, Professor of Field Husbandry.

Winter Egg Production—by J. W. McAllister, Agricultural Secretary.
The Summer Session announcements—by the Faculty of the Summer School.

The Imperial Conference—by Prof. A. L. Burt, Professor of History.
A Library Catalogue Supplement—by Miss J. F. Montgomery, Librarian.

Report of Alberta's part in the International and Royal Shows—by Prof. Sackville, Professor of Animal Husbandry.

Hospital Management—by Dr. D. A. MacGibbon, Professor of Economics.

Crop Varieties to be distributed by the Department of Field Husbandry.

A review of the University Extension work—by the Director of the Department of Extension.

While the regular mailing list for Press Bulletins is approximately 2,500, in the case of nearly every bulletin published this year the demand from various sources has been so great that supplementary editions from 500 to 1,000 in number have had to be printed to meet the call.

Agricultural Publications published under the direction of a special committee, are distributed through the Department of Extension organization. During the period 3,040 individual inquiries and requests for agricultural bulletins have been received and dealt with; these are in addition to the regular mailing lists maintained for respective types of bulletins. Approximately 15,389 agricultural bulletins have been sent out during the twelve months covered by this report. It might be of interest to note that since the publication of agricultural bulletins was commenced in 1922-23, 42,953 bulletins have been sent out from the Department of Extension. As has already been pointed out, the publication of these bulletins is the work of the Committee on Agricultural

Publications and the Faculty of Agriculture, only the handling of the correspondence and the mailing of the bulletins being carried on by the Department of Extension.

It should be pointed out that previous to 1922 twelve agricultural bulletins and circulars were printed and distributed with a total circulation of approximately 25,000 and that a number of these Bulletins have been issued each year dealing with elementary educational problems.

Debating and Public Speaking

During the period covered by the report, 217 package libraries for debaters were sent out in comparison with 176 for the preceding year. The decrease here is in part accounted for by the fact that owing to press of work under the new curriculum, principals of high schools found that they did not wish to continue the work of the High School Debating League. It is also possible that this League has fulfilled its original function which was to stimulate interest in debating, as there are in a number of localities in Alberta local debating leagues. At present the emphasis seems to be swinging toward the development of public-speaking as distinct from purely debating.

The most popular subjects for the year were:

- Chinese and Japanese Immigration,
- Motion Pictures,
- Capital Punishment,
- Rural vs. City Life.

Package libraries on these subjects were sent out 50, 29, 23 and 23 times respectively.

The Director of the Department acted as judge and critic at a large number of public-speaking contests, in one of which 36 contestants participated, and at another 17. These contests were staged in connection with Teachers' Conventions, School Fairs' Associations, etc.

Correspondence Courses

There were 15 registrations in the introductory course in "Principles of Political Economy," 123 papers were corrected in this course, and 7 in the course on "Agricultural Economics" sent in by a student who had partially completed his course in the previous year. New entries in the course in "Agricultural Economics" were not invited. Mr. Day, lecturer in Economics, very kindly carried out the correspondence course, and there have been several warm expressions of appreciation from students as to the way in which his work was done.

Conferences

The University Week for Farm Young People was held during the week June 24-30, 1923. Its interest and enthusiasm was, if anything, superior to previous gatherings. The registration was 122 delegates and 16 leaders. The admirable competition instituted by the Department of

Publications and the Faculty of Agriculture, only the handling of the correspondence and the mailing of the bulletins being carried on by the Department of Extension.

It should be pointed out that previous to 1922 twelve agricultural bulletins and circulars were printed and distributed with a total circulation of approximately 25,000, and that a number of Press Bulletins have been issued each year dealing with distinctly agricultural problems.

Debating and Public Discussion

During the period covered by the report, 557 package libraries for debaters were sent out, in comparison with 716 for the preceding year. The decrease here is in part accounted for by the fact that owing to press of work under the new curriculum, principals of high schools found that they did not wish to continue the work of the High School Debating League. It is also possible that this League has fulfilled its original function which was to stimulate interest in debating, as there are in a number of localities in Alberta local debating leagues. At present the emphasis seems to be swinging toward the development of public-speaking as distinct from purely debating.

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- Motion Pictures,
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- Rural vs. City Life.

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Conferences

The University Week for Farm Young People was held during the week June 8th-14th. In interest and enthusiasm it was, if anything, superior to previous gatherings. The registration was 103 delegates and 10 leaders. The scholarship competition instituted by the Department of

Agriculture is continued for the present year. It is based upon an examination covering a course of reading, and an examination on the work during the conference week. The boy and girl taking the highest standing will be eligible for a year's course, with all expenses paid, at one of the Provincial Schools of Agriculture. Last year Mr. Donald Cameron, of Elnora, and Miss Minnie Kirk, of Lethbridge, were the successful contestants in this competition.

Exhibits

An exhibit was put on at the Edmonton Summer Exhibition with the co-operation of the College of Agriculture. Lantern slides, moving pictures, charts, demonstrations of milk testing, soil testing and the like, were featured. So great was the interest shown that it has been decided to put on a similar exhibit this coming summer not only at Edmonton, but at Calgary as well, the exhibition association in each case donating the necessary space.

Riker's Mounts

Three sets of Riker's Agricultural Mounts, prepared by Mr. McAllister, to assist schools in teaching agriculture, have been in continual circulation during the year.

Travelling Libraries

During these twelve months 240 exchanges have been made in 205 communities, as against 195 exchanges in 183 communities for the corresponding period in 1925-26. In addition 39 special libraries have been sent out, as against 37 last year. The total number of libraries circulated has been 188 regular plus 39 special—227.

The recorded circulation of 199 regular libraries has been 13,879, which makes the average circulation for each library 69.2.

These regular libraries have been sent to the following groups:

Communities	60
U.F.A.	37
U.F.W.A.	22
W.I.	14
S.D.	48
Other organizations	24
	205

Of the special libraries sent out, 24 went to schools to supplement the school library or take its place where there was none.

Open Shelf

The circulation of books, pamphlets and plays from the Open Shelf section for the period of the report has been as follows. The circulation for the corresponding period in 1925-26 is shown in parallel tables.

	1925-26	1924-25	Increase	% Increase
Books (non-fiction)	17,723	12,181	4,622	38.75
Books (fiction)	1,245	1,945	240	23.8
Pamphlets (non-fiction)	594	585	89	15.62

Plays were loaned to 107 communities as against 180 in 1925-26.

Members of the University staff and residents in Garneau still continue to make use of this library. City borrowers read more fiction than non-fiction, while country borrowers read more non-fiction than fiction. The classes of books most read by the latter during the past ten months have been General Literature (i.e., travel, history, essays), History and Travel, Biography, Fine Arts (music, painting, sculpture, etc.), Education and Mythology.

The special travelling libraries are sent out weekly from the Open Shelf. Groups using these do not make use of records of circulation, as the books are being used for study purposes. Books in libraries sent to schools are often read mostly by the children in the schoolroom, and in such cases no record of circulation can be given to show adequately how much use has been made of the books. When returning the books teachers frequently make such comments as the following: "I very much appreciate the service of the Extension Library, and have found the books this year a very great help in my work."

Visual Instruction

Lantern Slides

During the period covered by this report, 1,758 sets of lantern slides were sent out. These were shown 4,062 times to audiences aggregating 228,225 people. The corresponding figures for the previous year were 1,710 sets circulated, 3,640 times for this year being 48 sets. The month of March broke all previous records. Over 250 sets of slides were sent out during this month, or an average of more than 10 sets per day.

Motion Picture Films

211 sets were sent out. These were shown 488 times to audiences aggregating 19,215. The corresponding figures for a year ago were 543 sets circulated. There was a 25 per cent increase in the number of sets sent out.

216 electric and lantern slides were sent out during the period covered.

Photography

During the term, at the request of the student organization, a photographic studio was installed in the case of the University photography. A very large amount of work was done to many hundreds of students has been done to the general satisfaction of both students and the Department. Financially, the photographic studio is on a self-supporting basis.

St. John Ambulance Association

The Provincial office of the St. John Ambulance Association is still in the Department of Extension. During the period covered by this

	1926-27.	1925-26.	Increase.	% Increase.
Books (non-fiction)	17,723	13,101	4,622	33.75
Books (fiction)	1,245	1,005	240	23.8
Pamphlets (not debates)..	594	505	89	15.62

Plays were supplied to 107 communities as against 180 in 1925-26.

Members of the University staff and residents in Garneau still continue to make use of this library. City borrowers read more fiction than non-fiction, while country borrowers read more non-fiction than fiction. The classes of books most read by the latter during the past ten months have been General Literature (i.e., drama, poetry, essays), History and Travel, Biography, Fine Arts (music, painting, sculpture, etc.), Education and Mythology.

The special travelling libraries are made up mostly from the Open Shelf. Groups using these do not always send in records of circulation, as the books are being used for study purposes. Books in libraries sent to schools are often read mostly by the children in the schoolroom, and in such cases no record of circulation can be given to show adequately how much use has been made of the books. When returning the books teachers frequently make such comments as the following: "I very much appreciate the service of the Extension Library, and have found the books this year a very great help in my work."

Visual Instruction

Lantern Slides.

During the period covered by this report, 1,758 sets of lantern slides were sent out. These were shown 2,062 times to audiences aggregating 228,225 people. The corresponding figures for the previous year were 1,710 sets circulated, the increase for this year being 48 sets. The month of March broke all previous records. Over 300 sets of slides were sent out during this month, or an average of more than 10 sets per day.

Motion Picture Films.

551 sets were sent out. These were shown 688 times to audiences aggregating 79,211. The corresponding figures for a year ago were 542 sets circulated. There has been an increase here of 9 sets.

216 electric and acetylene lanterns were loaned for occasional lectures.

Photographic

During the term, at the urgent request of the student organization, a photographic studio was installed to take care of the University photography. A very large amount of work amounting to many hundreds of sittings has been done to the general satisfaction of both students and the Department. Financially, the photographic studio is on a self-supporting basis.

St. John Ambulance Association

The Provincial office of the St. John Ambulance Association is still in the Department of Extension. During the period covered by this

Agriculture is continued for the present year. It is based upon an examination covering a course of reading, and an examination on the work during the conference week. The boy and girl taking the highest standing will be eligible for a year's course, with all expenses paid, at one of the Provincial Schools of Agriculture. Last year Mr. Donald Cameron, of Elnora, and Miss Minnie Kirk, of Lethbridge, were the successful contestants in this competition.

Exhibits

An exhibit was put on at the Edmonton Winter Exhibition with the co-operation of the College of Agriculture. Various slides, moving pictures, charts, demonstrations of soil testing, etc., and the like, were featured. So great was the interest shown that it has been decided to put on a similar exhibit this coming winter, not only at Edmonton, but at Calgary as well, the exhibition committee in each case donating the necessary space.

Kiker's Extension

Three sets of Kiker's Agricultural Library, prepared by Mr. McAllister, to assist schools in teaching agriculture, have been in constant circulation during the year.

Free Library Extension

During these twelve months 247 extensions have been made in 205 communities, as against 122 extensions in 125 communities for the corresponding period in 1925-26. In addition 25 special libraries have been sent out, as against 27 last year. The total number of libraries circulated has been 128 regular plus 25 special—153.

The recorded circulation of 128 regular libraries has been 13,879, which makes the average circulation 107 per library per year.

These regular libraries have been sent to the following groups:

Communities	60
C.P.A.	37
C.F.W.A.	22
W.L.	14
S.D.	48
Other organizations	24
	205

Of the regular libraries sent out, 54 went to schools to supplement the school library or take the place where there was none.

Open Shelf

The circulation of books, pamphlets and maps from the Open Shelf section for the period of the report has been as follows. The circulation for the corresponding period in 1925-26 is shown in parallel tables.

report, 530 persons were instructed in First Aid and Home Nursing, and 476 certificates and awards issued. We have here a slight decrease from the previous year, when 552 persons were instructed and 488 certificates issued. The figures are still substantially above those of two years ago, and evidently the fluctuation is a normal one. The Workmen's Compensation Board has co-operated cordially as in previous years in carrying out this work.

Staff

The only change in the staff of the Department of Extension to be noted is that Mr. Day of the Department of Economics has carried on the work in correspondence study instruction in place of Mr. Drummond, whom he succeeded. Mr. E. A. Corbett, the Assistant Director, has been loaned to the Red Cross Society for a year, and has been carrying on the work of the Provincial Commissioner. This is a temporary arrangement which will probably be terminated at the end of the calendar year.

Statistical Summary

Extension Lectures

Number of lectures.....	347	
Aggregate attendance		38,405
Radio lectures	85	
Total lectures	432	

Library Services

Travelling Library Circulation	13,879	
Open Shelf Circulation	18,968	
Total books circulated		32,847
Package Libraries for debaters.....	557	
Other Package Libraries	594	
Total	1,151	
Plays for amateurs supplied to communities numbering	107	
		1,258
		34,105

Visual Instruction

Sets of lantern slides circulated.....	1,758	
Number of times used	2,062	
Aggregate attendance at lantern slide lectures..		228,225
Sets of moving picture films circulated	551	
Number of times used	688	
Aggregate attendance at moving picture programs		79,211
Total aggregate attendance		307,436
Lantern outfits loaned to lecturers.....	216	

Conferences and Exhibits

Conference

University Week for Farm Young People, attendance	113
--	-----

Exhibit

Educational Exhibit at Edmonton Exhibition.

Instruction in First Aid and Home Nursing		
Number of persons instructed	530	
Certificates issued	470	530

Correspondence Instruction	
General Economics	
Number of students	15
Papers corrected	129

Publications		
Press Bulletin		
Number of bulletins issued 1923-27 term.....	6	
Average circulation	2,500	
Aggregate circulation	22,500	
Agricultural Bulletins sent out 1926-27.....	15,389	
Total number sent out since 1922	24,953	37,889
Individual requests for bulletins 1926-27.....	3,040	
Agricultural Bulletins distributed prior to 1921-22, approximately	25,000	

Recapitulation	
Total aggregate attendance at lectures, lantern slide lectures, moving picture exhibitions, First Aid and Home Nursing classes, and Farm Young People Week.....	346,484
Total circulation of books, magazine libraries and papers.....	34,105
Total circulation of Press Bulletins and Agricultural Bulletins..	37,889

Conclusion

In general, it might be said, in conclusion, that the work of the Department of Extension is more appreciated than ever by our widening constituency. Statistics, while informative, do not by any means adequately express what the University Extension work means in our Province. A substantial increase in available funds for the current year will make expansion possible, particularly in radio service, which will undoubtedly react in a very favorable manner upon the University in its relation to the public, and what is of some importance, will permit us more effectively to serve our constituency.

All of which is respectfully submitted.

F. E. HITCHWELL,
Director

Instruction in First Aid and Home Nursing

Number of persons instructed	530	
Certificates issued	476	530

Correspondence Instruction

General Economics

Number of students	15
Papers corrected	130

Publications

Press Bulletin

Number of bulletins issued 1926-27 term.....	9
Average circulation	2,500

Aggregate circulation	22,500	
Agricultural Bulletins sent out 1926-27.....	15,389	37,889
Total number sent out since 1922	42,953	
Individual requests for bulletins 1926-27.....	3,040	
Agricultural Bulletins distributed prior to 1921-22, approximately	25,000	

Recapitulation

Total aggregate attendance at lectures, lantern slide lectures, moving picture exhibitions, First Aid and Home Nursing classes, and Farm Young People Week.....	346,484
Total circulation of books, package libraries and plays.....	34,105
Total circulation of Press Bulletins and Agricultural Bulletins..	37,889

Conclusion

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All of which is respectfully submitted.

A. E. OTTEWELL,
Director.

report, 530 persons were instructed in their subjects Home Nursing, and 475 certificates and awards issued. With 1922 a slight decrease from the previous year, when 582 persons were instructed and 488 certificates issued. The figures are still substantially above those of two years ago, and evidently the Department is a normal one. The Workmen's Compensation Board has co-operated cordially in the past two years in carrying out this work.

Staff

The only change in the staff of the Department of Extension to be noted is that Mr. Day of the Department of Agriculture has carried on the work in correspondence study instruction in place of Mr. Drummond, whom he succeeded. Mr. E. A. Corbett, the Assistant Director, has been loaned to the Red Cross Society for a year, and has been carrying on the work of the Provincial Commissioner. This is a temporary arrangement which will probably be discontinued at the end of the calendar year.

Statistical Summary

Audience Lectures		
Number of lectures	847	
Aggregate attendance		38,405
Radio lectures	85	
Total lectures	432	

Library Services		
Travelling Library Circulation	12,829	
Open Shelf Circulation	18,968	
Total books circulated		32,547
Package Libraries for debaters	557	
Other Package Libraries	394	

Total	3,651	
Plays for amateurs supplied to communities		
numbering	121	
		1,238
		34,105

Visual Instruction		
Sets of lantern slides circulated	1,022	
Number of times used	2,502	
Aggregate attendance at lantern slide exhibits		228,325
Sets of moving picture films circulated	381	
Number of times used	628	
Aggregate attendance at moving picture programs		70,211
Total aggregate attendance		307,436
Lantern outfits loaned to lecturers	314	

Conferences and Exhibits

Conference		
University Week for Farm Young People		
attendance		113
Exhibit		
Educational Exhibit at Edmonton Exhibition		

1937

I have the honour to submit the following
report of the work done in the Provincial Laboratory
during the year 1937. APPENDIX III

.....

The total number of examinations for the year
1937 was 22,402, an increase of 3,314 examinations. Co-operation with the University departments has continued and work of the laboratory has thereby been facilitated. Chemical examination of water and milk has been carried out by the Provincial Analyst.

.....

.....

Table I

Table I shows the nature of the examinations performed and indicates an increase of 3,314 examinations for the previous year.

APPENDIX III

THE REPORT OF THE PROVINCIAL LABORATORY

REPORT OF THE DIRECTOR OF THE PROVINCIAL LABORATORY

1927

I have the honour to submit the following report of the work done in the Provincial Laboratory during the year 1927.

The total number of examinations for the year was 29,403, an increase of 3,944 examinations. Co-operation with the University departments has continued and the work of the laboratory has thereby been facilitated. The chemical examination of water and milk has been carried out by the Provincial Analyst.

Table # I

Table # I shows the nature of the examinations performed and indicates an increase of 3,944 examinations over the previous year.

1927

I have the honor to submit the following
report of the work done in the Provincial Laboratory
during the year 1927.

The total number of examinations for the year
1927 was 5,944, an increase of 5,403 over
the year 1926. The University department has continued and
the work of the laboratory has thereby been facilitated.
Chemical examination of water and milk has been car-
ried out by the Provincial Analyst.

1

Table A I shows the nature of the examinations
made and indicates an increase of 5,444 examinations
over the previous year.

COMMUNICABLE DISEASES:

Sputum
Diphtheria
Typhoid Fever

572
663
142

589
1,087
232

17
424
90

WATERS:

Bacteriological
Bacteriological and chemical
Chemical

729
552
106

726
396
108

157

MOTHER'S MILK

34

55

21

MILKS:

Bacteriological
Chemical and Bacteriological

982
106

811
84

171
22

MISCELLANEOUS EXAMINATIONS:

2,035

2,077

42

SMEARS FOR THE PRESENCE OF THE GONOCOCCUS:

2,270

2,485

215

BLOOD FOR THE WASSERMANN TEST

10,159

10,176

17

PATHOLOGICAL HISTOLOGICAL MATERIAL:

4,495

5,035

540

MEDICO LEGAL EXAMINATIONS:

6

8

2

ICTERUS INDEX DETERMINATION:

1,304

2,709

1,405

VAN DEN BERGH DETERMINATION:

1,304

2,709

1,405

POST MORTEM EXAMINATIONS:

116

116

TOTAL

25,459

29,403

4,294

350

Increase in number of specimens
Increase in per cent

3,944
15.5%

increase in per cent
increase in number of apocymena

442.3
42.21

LAPOT

POST MORTEM EXAMINATIONS:

AND BUN BEGGH DETERMINATION:

INDEX DETERMINATION:

MEDICO LEGAL EXAMINATIONS:

PATHOLOGICAL HISTOLOGICAL MATERIAL:

BLOOD FOR THE WASSERMANN TEST:

STAINS FOR THE PRESENCE OF THE GONOCOCCUS:

MISCELLANEOUS EXAMINATIONS:

WILKS: Chemical and Bacteriological

Bacteriological

MORRIS: WILK

Chemical

WATERS: Bacteriological and chemical

WATERS: Bacteriological

422.4 204.25 224.25

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TABLE # 2

Table # 2 shows the number of water and milk, special, and blood containers prepared and distributed during the year.

	1926	1927
Bacteriological	711	431
WATER CONTAINER: Chemical	326	266
SPECIAL CONTAINERS:	3,900	2,614
BLOOD CONTAINERS:	8,657	7,036
TOTAL	13,594	10,347

TABLE # 3

Table # 3 shows the number of cubic centimeters of autogenous and other vaccines prepared during the year.

	1926	1927
TYPHOID VACCINE	4,180 cc	4,690 cc
AUTOGENOUS & OTHER VACCINES	3,200 cc	3,050 cc
BCG VACCINE	1,505 cc	2,430 cc
TOTAL	8,885 cc	10,170 cc
Increase in cubic centimeters	1,285	
Increase in per cent	14.4 %	

Table # 2 shows the number of water and milk, and blood containers prepared and distributed during the year.

	CONTAINERS:		TOTAL
	Bacteriological	Chemical	
1937	431	266	10,347
1936	711	385	13,594
	2,900	8,437	
	2,674	7,036	

Table # 3 shows the number of cubic centimeters of toxoids and other vaccines prepared during the year.

	VACCINES:		TOTAL
	TOXOIDS	OTHER VACCINES	
1937	4,180 cc	2,050 cc	10,170 cc
1936	4,180 cc	2,800 cc	8,885 cc
	1,505 cc	2,430 cc	
	1,285	14.4 %	

TABLE # 4

Table # 4 shows the detail of some of the work done by the laboratory in relation to the control of infectious diseases.

TABLE # 5

Table # 5 shows the number of blood examinations by the complement fixation test for the diagnosis of Syphilis.

Bloods Received	Bloods Examined	Bloods Positive to reaction	Bloods Negative to reaction	Bloods unsuitable for examination
10,261	10,176	2,065	8,111	85
Number of blood examinations made in 1926	-	10,150		
Number of blood examinations made in 1927	-	10,176		
Bloods received from Calgary and South	-	2,538		
Bloods received from North of Calgary	-	7,638		

TABLE # 4

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TABLE # 5

Table # 5 shows the number of blood examinations by the complement fixation test for the diagnosis of Syphilis.

Bloods Received	Bloods Examined	Bloods Positive to reaction	Bloods Negative to reaction	Bloods unsuitable for examination
10,281	10,176	2,065	8,111	65
Number of blood examinations made in 1936 - 10,150 Number of blood examinations made in 1937 - 10,176 Bloods received from Calgary and North - 2,838 Bloods received from North of Calgary - 7,338				

PATHOLOGICAL HISTOLOGICAL DIAGNOSIS

During the year 5,035 specimens have been examined - an increase of 12 %. This work is under the direction of Dr. J. J. Ower.

TABLE # 6

Table # 6 gives the details of the bacteriological and chemical examination of water performed throughout the year.

	1926	1927
Number of samples of water examined bacteriologically and found unfit for human consumption	47	32
Number of samples of water examined bacteriologically and found fit for human consumption	668	688
Number of samples of water examined bacteriologically and chemically and found fit for human consumption	505	352
Number of samples of water examined bacteriologically and chemically and found unfit for human consumption	47	44
Number of samples of water examined chemically and found unfit for human consumption	12	10
Number of samples of water examined chemically and found fit for human consumption	94	98
Number of samples of ice examined bacteriologically and found fit for human consumption	11	6
Number of samples of ice examined bacteriologically and found unfit for human consumption	3	0
TOTAL	1,387	1,250

During the year 1935 specimens have been examined - an increase of 12.5%. This work is under the direction of Dr. J. J. Owen.

TABULAR

Table # 6 gives the details of the bacteriological and chemical examination of water performed throughout the year.

1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026	1025	1024	1023	1022	1021	1020	1019	1018	1017	1016	1015	1014	1013	1012	1011	1010	1009	1008	1007	1006	1005	1004	1003	1002	1001	1000	999	998	997	996	995	994	993	992	991	990	989	988	987	986	985	984	983	982	981	980	979	978	977	976	975	974	973	972	971	970	969	968	967	966	965	964	963	962	961	960	959	958	957	956	955	954	953	952	951	950	949	948	947	946	945	944	943	942	941	940	939	938	937	936	935	934	933	932	931	930	929	928	927	926	925	924	923	92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TABLE # 7

Table # 7 gives the details of the bacteriological and chemical examination of milk preformed throughout the year.

	1926	1927
Number of samples of milk examined bacteriologically	982	811
Number of samples of milk examined bacteriologically and chemically	79	84
TOTAL	11,061	895

Number of samples of milk examined showing low butter fat	15	7
Number of milks examined bacteriologically with bacterial count above 30,000	111	51
Number of milks , non-pasteurized examined bacteriologically with bacterial count 300,000	121	84

Number of pasteurized milk samples	129
Number of non-pasteurized milk samples	766

Table V gives the details of the bacteriological and chemical examination of milk performed throughout the

Year.

1937	1936	
811	982	Number of samples of milk examined bacteriologically
84	79	Number of samples of milk examined bacteriologically and chemically
895	10,061	TOTAL

7	13	Number of samples of milk examined showing low butter fat
51	111	Number of milks examined bacteriologically with bacterial count above 30,000
84	121	Number of milks, non-pasteurized examined bacteriologically with bacterial count 300,000

129	756	Number of pasteurized milk samples
		Number of non-pasteurized milk samples

MISCELLANEOUS EXAMINATIONS

There were 2,077 miscellaneous examinations during the year. These are of a very varied nature and include the examination of food, body fluids, etc., etc.

EXAMINATION OF SMEARS FOR GONORRHOEA

There were 215 more examinations during the period covered by this report - 9.5 %

MEDICO LEGAL EXAMINATIONS

This work has included various examinations pertaining to criminal and other cases in the Province throughout the year.

RESEARCH WORK

The work in tuberculosis research has continued.

STAFF

It is fitting that the loyalty and industry of the staff, which has been of high order throughout the year, should be mentioned.

I have the honour to be

Sir

Your obedient servant,

ATTENTION IS DRAWN
TO THE APPENDIX

DIRECTOR

MISCELLANEOUS EXAMINATIONS

There were 2,077 miscellaneous examinations during the year. These are of a very varied nature and include the examination of food, body fluids, etc., etc.

EXAMINATION OF SMears FOR GONORRHOEA

There were 215 more examinations during the period covered by this report - 9.5 %

MEDICO LEGAL EXAMINATIONS

This work has included various examinations pertaining to criminal and other cases in the Province throughout the year.

RESEARCH WORK

The work in tuberculous research has continued.

STAFF

It is fitting that the loyalty and industry of the staff, which has been of high order throughout the year, should be mentioned.

I have the honor to be

Sir

Your obedient servant,

DIRECTOR

THE APPENDIX
NOTION IS DRAWN

APPENDIX

ESTIMATED COMMERCIAL VALUE OF WORK IF MINIMUM CHARGE WERE MADE

MATERIAL	No. of Specimens	Price per specimen	TOTAL
SPUTUM	589	\$2.00	1,178.00
DIPHTHERIA	1,087	2.00	2,174.00
TYPHOID FEVER	232	2.00	464.00
Waters	1,230	15.00	18,450.00
MILKS	895	5.00	4,475.00
MOTHER'S MILK	55	2.00	110.00
MISCELLANEOUS EXAMINATIONS	2,077	5.00	10,385.00
SMears FOR THE PRESENCE OF THE GONOCOCCUS	2,485	2.00	4,970.00
BLOODS FOR THE WASSERMANN TEST	10,176	5.00	50,880.00
PATHOLOGICAL HISTOLOGICAL	5,035	5.00	25,175.00
MEDICO LEGAL EXAMINATION	8	5.00	40.00
ICTERUS INDEX DETERMINATION	2,709	1.00	2,709.00
VAN DEN BERGH DETERMINATION	2,709	3.00	8,127.00
BCC VACCINE (\$3.00 -20cc)	2,430cc	3.00	563.00
TYPHOID VACCINE (25 cc Qunt)	4,690cc	5.00	940.00
AUTOGENOUS VACCINES (25cc Qunt)	3,050cc	15.00	1,830.00
VACCINES NOT INCLUDED	29,287		132,270.00
Total Value 1926		\$125,325.00	
Total Value 1927		132,270.00	
Total increase in value		6,947.00	
Total increase in per cent		5.5 %	

ESTIMATED MEDICAL VALUE OF WORK
IN MEDICAL CAREER WITH THIS

Material	No. of Specimens	Price per Specimen	Total
PHYSICIAN'S FEE	888	\$2.00	1,776.00
DIRECTOR'S FEE	1,087	2.00	2,174.00
PHYSICIAN'S FEE	222	2.00	444.00
PHYSICIAN'S FEE	1,220	12.00	14,640.00
PHYSICIAN'S FEE	822	5.00	4,110.00
PHYSICIAN'S FEE	22	2.00	44.00
MISCELLANEOUS EXAMINATIONS	\$,777	2.00	15,544.00
PHYSICIAN'S FEE	2,422	2.00	4,844.00
PHYSICIAN'S FEE	10,172	2.00	20,344.00
PHYSICIAN'S FEE	2,022	2.00	4,044.00
MEDICAL LABORATORY EXAMINATIONS	2,022	2.00	4,044.00
PHYSICIAN'S FEE	2,702	1.00	2,702.00
PHYSICIAN'S FEE	2,702	3.00	8,106.00
BOB VACCINE (\$2.00 each)	2,422	2.00	4,844.00
THYROID VACCINE (22 cc each)	4,222	2.00	8,444.00
AUTOGENOUS VACCINE (\$2.00 each)	2,022	12.00	24,264.00
VACCINE NOT INCLUDED	2,422	2.00	4,844.00

Total Value 1927
Total Value 1928

Total increase in value
Total increase in per cent

A P P E N D I X 1V

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THE REPORT OF THE INDUSTRIAL LABORATORY

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THE REPORT OF THE INDUSTRIAL LABORATORY

APPENDIX IV

APPENDIX IV

THE REPORT OF THE INDUSTRIAL LABORATORY

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Annual Report of the Industrial Laboratory

Regarding the work of the Industrial Laboratories carried on by the Provincial Analyst, the following report is submitted:

Examinations and Analyses

Asphalt	2
Apergols	24
Anti-freeze compounds	8
Alkali-Soda	15
Alcohol-Special	2
Alcohol-Rubbing	2
Apples for Arsenic contamination	6
Ash	3
Aspirin	2
Bolts	17
Butter	8
Butter-special detailed analysis	2
Boracic acid	2
Brick	2
Blood	18
Bread	1
Bone-special analyses	4
Cheese-complete analyses	10
Cantharides	1
Cloth	13

Candy for adulteration	12
Calomel	1
Corn	26
Canned Heat	1
Coke	13
Culvert tops-special	89
Coal	2
Creosote	9
Chemicals	5
Clay	1
Coffee	3
Drillings	6
Documents	1
Epsoms Salts	1
Eastons Syrup	12
Eggs	32
Extracts	8
Flour	6
Formaldehyde	1
Feces	9
Feed	6
Grass and Hay	
Glass-special investigation	2
Gall Stones	1
Glauber's Salts	2

12	Candy for adulteration
1	Celomel
28	Corn
1	Canned Meat
13	Coke
89	Culvert tops-special
2	Coal
9	Grease
5	Chemicals
1	Clay
3	Coffee
6	Drillings
1	Documents
1	Phosma Salts
12	Mustons Syrup
32	Eggs
8	Extracts
6	Flour
1	Formaldehyde
9	Feces
6	Feed
	Grass and Hay
2	Glass-special investigation
1	Gall Stones
2	Glander's Salts

Gasoline	29
Insecticide	1
Instruments	2
Ice Cream	20
Incidental	70
Juice	3
Jelly Powder	1
Kruschen Salts	1
Liquors-Detailed analyses for Alberta	
Liquor Control Board: Wine,	
Whisky, Brandy, Ale, etc.	81
Malt liquors sampled from Alberta	
breweries, etc. to determine	
quality,- detailed analyses	471
Samples from Enforcement Branch,	
Police, etc.	251
Liquors-Malt liquors received from	
breweries, etc.	62
Liquor- Special	2
Linseed Oil	1
Lard	1
Milk and Cream	106
Molasses and molasses residue	2
Maple Syrup	1
Medicines	32

32	Medicines
1	Maple Syrup
2	Molasses and molasses residue
106	Milk and Cream
1	Lard
1	Linseed Oil
2	Liquor - Special
62	Breweries, etc.
	Liquors-Malt liquors received from
251	Extinct Police, etc.
	Samples from Enforcement Branch
471	Quality, - detailed analyses
	Breweries, etc. to determine
	Malt liquors sampled from Alberta
81	Colles Whisky, Brandy, Ale, etc.
	Liquor Control Board: Wine,
	Liquors-Detailed analyses for Alberta
1	Kitchen Salts
1	Telly Powder
3	Trice Top-Special
70	Incidental
20	Ice-Creams
2	Instruments
1	Insecticide
29	Gasoline

Meat	1
Materials of construction- cement, concrete, gravel	242
Narcotic drugs	12
Oysters	1
Ores, Minerals, etc.-mainly examinations for prospectors	562
Ochre	10
Oil-lubricating, petroleum, etc.	130
Paint	21
Pickles	6
Pork	1
Preservatives	1
Pork Fat-special investigations	85
Poison investigations-human, animal, etc.	143
Quinine	33
Rope	9
Rock and flue dust	4
Strychnine	2
Sewage	2
Saline solutions	4
Salt	1
Meat for preservatives	14
Sulphuric Acid	8
Sand	4
Silver Nitrate	1
Tea	1

1	Tea
1	Silver Nitrate
4	Sand and gravel
8	Sulphuric Acid
14	Meat for preservatives
1	Salt
4	Saline solutions
2	Sewage, etc.
2	Stychnine
4	Rock and fine dust
9	Rope
33	Quinine
143	Poison investigations-human, animal, etc.
88	Pork fat-special investigations
1	Preservatives-sampled from Alaska
1	Pork
61	Whisky, brandy, etc.
6	Pickles
21	Paint
130	Oil-lubricating, petroleum, etc.
10	Other
1	For prospectors
263	Ores, Minerals, etc.-mainly examinations
1	Oysters
12	Narcotic drugs
243	Materials of construction-cement, concrete, gravel
1	Meat

Urotropin	7
Urine	7
Vinegar	3
Wheat	8
Wood	6
Water-special	2
Water-sanitary and boiler	267
Whisky extract	1
Yeast	4
Zinc	3

3246

As Provincial Analyst considerable time was spent in giving evidence in court cases throughout the province and in giving technical advice to various government departments and to the Alberta Liquor Control Board.

Assistance was given to prospectors and others interested in the natural resources of the province and to various industries.

Expert assistance was given to officers of police forces on cases not requiring evidence or analyses.

Considerable time was spent on research work along methods of analyses, especially medico-legal. Special investigations were undertaken for several departments of the University, especially the Department of Animal Husbandry.

Respectfully submitted,

Provincial Analyst,
Director, Industrial Laboratories.

Director, Industrial Laboratories,
Provincial Analyst,

Respectfully submitted,

versity, especially the Department of Animal Husbandry.

gations were undertaken for several departments of the Uni-
thods of analyses, especially medico-legal. Special investi-
Considerable time was spent on research work along me-
on cases not requiring evidence or analyses.

Expert assistance was given to officers of police forces
in the natural resources of the province and to various in-
Assistance was given to prospectors and others interested
and to the Alberta Liquor Control Board.

in giving evidence in court cases throughout the province and
in giving technical advice to various government departments
As Provincial Analyst considerable time was spent

3246

7	Urotropin
7	Materials of construction - cement, concrete, gravel
5	Vinegar, drugs
8	Wheat
6	Wood, minerals, etc., analysis, etc.
2	Water-special
367	Water-sanitary and boiler
1	Whisky extract
4	Yeast
2	Zinc

APPENDIX V

.....

THE REPORT OF THE FRESHMAN COMMITTEE

.....²

Urotopin

Urine

Allegory

Wheat

Good

APPENDIX V

..... and Policy

.....

THE REPORT OF THE FRESHMAN COMMITTEE

.....

.....

3243

As Provincial Analyst considerable time was spent

in giving evidence in court cases throughout the province and

in giving technical advice to various government departments

and to the Alberta Liquor Control Board.

Assistance was given to prospectors and others interested

in the mineral resources of the province and to various in-

quiries.

Expert assistance was given to officers of police forces

on cases not requiring evidence or analyses.

Considerable time was spent on research work along ma-

thods of analyses, especially medico-legal. Special investi-

gations were undertaken for several departments of the Uni-

versity, especially the Department of Animal Husbandry.

Respectfully submitted,

Provincial Analyst,
Director, Industrial Laboratories.

SUMMARY OF REPLIES TO MARCH QUESTIONS.

NEW STUDENTS OF THE SECOND YEAR, FACULTY OF ARTS AND SCIENCES.

March 10th, 1927.

Number of new second year students answering the questions 69.

1. Why did you decide to enrol in the Faculty of Arts and Sciences

For liberal education 42.

For professional training 25

Uncertain 2 69

2. (a) What vocation do you plan to follow ?

Teaching 20

Dietetics 6

Medicine 5

Chemistry 4

Law 4

Business 3

Pharmacy 2

Engineering 2

Secretarial work 2

Journalism 2

Accountancy 1

Oil industry 1

Girl's work 1

Homemaker 1

Uncertain 15

(b) If no final choice has been made what vocations are possible choices ?

Teaching 12

Secretarial work 4

Journalism 3

Business 3

Library work 3

Law 2

Accountancy 1

Analytical work 1

Art work 1

Chemical work 1

Commercial art 1

Electrical engineering 1

Farming 1

Laboratory work in Psychology 1

Medicine 1

Mechanical engineer 1

Pharmacy 1

SUMMARY OF REPLY TO MARCH QUESTIONS.

ENTS OF THE SECOND YEAR, FACULTY OF ARTS AND SCIENCES.

March 10th, 1937.

new second year students answering the questions 69.

Do you decide to enrol in the Faculty of Arts and Sciences?

24 noitsonbe isre
23 gniisat isnoiaset
2 ni

7. What is the purpose of the investigation?

08 ching
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..... artain

no final choice has been made what
actions are possible choices ?

1		mechanical engineer
1	.....	engine
1	.....	laboratory work in Psychology
1	.....	ling
1	.....	critical engineering
1	.....	mercial art
1	.....	mechanical work
1	.....	work
1	.....	physical work
1	.....	constancy
2	.....	
3	.....	factory work
3	.....	ness
3	.....	mechanism
4	.....	retail work
5	.....	ing

(c) Students planning to remain in the Faculty of Arts:

General course	40
Honours	16
Combined course.....	10
Uncertain.....	3

(d) Students planning to take course leading to:

B.A.....	30
B.Sc. in Arts.....	12
B.Com.....	8
B.Sc. in H.Ec.....	6
B.Sc. in Pharmacy.....	3

59

(e) Of students in (d) taking course leading to B.A., B.Sc. in Arts or B.Com., those planning to take Honours course:-

Chemistry.....	4
English.....	4
History.....	2
Political Economy.....	2
French and Latin.....	1
Mathematics.....	1
Moderns.....	1
Psychology.....	1

16

(f) Students planning to take a combined course:-

B.A.:LL.B.....	4
B.A.:M.D.....	3
B.Sc.:M.D.....	2
B.A.:B.Sc. in Engineering.....	1

10

Number of students definitely planning to teach	31
Number of students considering teaching	14
Of these, number who have <u>not</u> attended Normal	15
Number of students who <u>have</u> attended Normal	33

Normal schools attended:

Calgary, Alberta.....	21
Camrose, Alberta.....	7
Victoria, B.C.....	2
Edmonton, Alberta.....	1
MacDonald College, Quebec.....	1
Toronto.....	1

agents planning to remain in the Faculty of Arts:

General course	40
Honours	16
Combined course	10
Uncertain	3

agents planning to take course leading to:

B.A.	30
B.Sc. in Arts	18
B.Com.	8
B.Sc. in H. Ed.	6
B.Sc. in Pharmacy	3

students in (d) taking course leading to B.A., B.Sc. in
of B.Com., those planning to take Honours course:-

Chemistry	4
English	4
History	3
Political Economy	3
French and Latin	1
Mathematics	1
Moderns	1
Psychology	1

students planning to take a combined course:-

B.A.: H. B.	4
B.A.: M. D.	3
B.Sc.: M. D.	3
B.A.: B.Sc. in Engineering	1

of students definitely planning to teach
of students considering teaching
case, number who have not attended Normal
of students who have attended Normal

schools attended:

Calgary, Alberta	21
Camrose, Alberta	7
Victoria, B.C.	3
Edmonton, Alberta	1
MacDonald College, Quebec	1
Toronto	1

Edmonton, Alberta.....	1
Macdonald College, Quebec.....	1
Toronto.....	1

D. (a) Number of students planning to take graduate work for degree of:

M.A.....	10
M.Sc.....	3
Ph.D.....	1

14

D. (b) Number of students planning to do research work:

Industrial Chemistry.....	2
Education.....	1

E. Occupations engaged in before entering the University:

Teaching.....	29
Clerking.....	12
Farm Hand.....	5
Office work.....	4
Stenography.....	4
Newspaper work.....	3
Manual labour.....	2
Bookkeeping.....	2
Bank clerking.....	2
Apple picking.....	1
Assistant to garage mechanic.....	1
Employee at Jasper Park Lodge.....	1
Employee in knitting mill,,,,.....	1
Employee in furniture factory.....	1
Cook in diner.....	1
Delivery boy.....	1
Domestic servant.....	1
Lumber yard assistant.....	1
Library work.....	1
Music teacher.....	1
Milk tester.....	1
Playground supervisor.....	1
Salesman.....	1
Surveyor.....	1
Taxi driver.....	1
Waitress.....	1
Warehouse man.....	1

Warehouse man.....1
 Waitress.....1
 Taxi driver.....1
 Surveyor.....1
 Salesman.....1
 Playground supervisor.....1
 Milk tester.....1
 Music teacher.....1
 Library work.....1
 Lumber yard assistant.....1
 Domestic servant.....1
 Delivery boy.....1
 Cook in diner.....1
 Employee in furniture factory.....1
 Employee in knitting mill.....1
 Employee at Jasper Park Lodge.....1
 Assistant to garage mechanic.....1
 Apple picking.....1
 Bank clerking.....2
 Bookkeeping.....2
 Manual labour.....2
 Newspaper work.....3
 Stenography.....4
 Office work.....4
 Farm hand.....5
 Clerking.....12
 Teaching.....29

Occupations engaged in before entering the University:

Education.....1
 Industrial Chemistry.....2

Number of students planning to do research work:

Ph.D.....1
 M.Sc.....3
 M.A.....10

Number of students planning to take graduate work for degree of:

Toronto.....1
 University of Alberta.....1
 University of Saskatchewan.....1

Summary of Results of Finals, 1924-25, 1925-26, 1926-27.

.....

Registration of Freshmen and New Students of the Second Year.

Present in application forms but not in attendance 24

Registered and in attendance:

	<u>Men</u>	<u>Women</u>	<u>Totals</u>
Freshmen and new students in the 2nd yr.	<u>233</u>	<u>88</u>	<u>321</u>
Withdrawals	<u>13</u>	<u>9</u>	<u>22</u>
	<u>246</u>	<u>97</u>	<u>343</u>

SUMMARY OF RESULTS

All Freshmen and New Students of the Second Year.

	<u>1924-25</u>	<u>1925-26</u>	<u>1926-27</u>
P) Passed in all subjects	46%	39%	42%
1) Failed in one subject	16%	35%	23%
2) Failed in two subjects	17%	8%	15%
3) Failed in three subjects	11%	9%	9%
4) Failed in four subjects	8%	5%	7%
5) Failed in five subjects	2%	4%	4%

Same information according to faculties.

ARTS AND SCIENCES

First Year

<u>1924-25</u>	<u>1925-26</u>	<u>1926-27</u>
111 students	111 students	107 students
(P) 34%	(P) 30%	(P) 39%
(1) 20%	(1) 34%	(1) 22%
(2) 18%	(2) 14%	(2) 11%
(3) 17%	(3) 12%	(3) 13%
(4) 8%	(4) 7%	(4) 11%
(5) 3%	(5) 3%	(5) 4%

.....
on of Freshmen and New Students of the Second Year.

24

location forms but not in attendance

Number of students planning to take graduate work for degree of:
 and in attendance;

Men	Women	Total
18	9	27
243	343	586

SUMMARY OF RESULTS

.....
 Freshmen and New Students of the Second Year.

1934-35	1935-36	1936-37
46	39	42
10	10	10
17	17	17
11	11	11
8	8	8
2	4	4

Same information according to facilities.

.....
 1934-35 1935-36 1936-37

.....
 1 student 111 students 107 students

(1)	84	(7)	30	(7)	39
(1)	30	(1)	34	(1)	33
(2)	18	(2)	14	(2)	11
(3)	17	(3)	12	(3)	13
(4)	8	(4)	11	(4)	11
(5)	3	(5)	3	(5)	4

Second Year (New)

1924-25
72 students

(P) 68%
(1) 11%
(2) 10%
(3) 7%
(4) 4%
(5) 0%

1925-26
50 students

(P) 54%
(1) 38%
(2) 4%
(3) 0%
(4) 2%
(5) 2%

1926-27
77 students

(P) 47%
(1) 33%
(2) 11%
(3) 4%
(4) 4%
(5) 1%

APPLIED SCIENCE I

1924-25
32 students

(P) 34%
(1) 19%
(2) 22%
(3) 6%
(4) 19%
(5) 0%

1925-26
21 students

(P) 28%
(1) 34%
(2) 19%
(3) 5%
(4) 9%
(5) 5%

1926-27
32 students

(P) 20%
(1) 16%
(2) 39%
(3) 16%
(4) 6%
(5) 3%

APPLIED SCIENCE II (New)

1924-25
13 students

(P) 50%
(1) 25%
(2) 17%
(3) 8%
(4) 0%
(5) 0%

1925-26
18 students

(P) 34%
(1) 5%
(2) 11%
(3) 28%
(4) 5%
(5) 17%

1926-27
18 students

(P) 59%
(1) 11%
(2) 10%
(3) 10%
(4) 10%
(5) 0%

AGRICULTURE I (B.Sc.)

1924-25
8 students

(P) 88%
(1) 12%
(2) 0%
(3) 0%
(4) 0%
(5) 0%

1925-26
6 students

(P) 67%
(1) 33%
(2) 0%
(3) 0%
(4) 0%
(5) 0%

1926-27
11 students

(P) 64%
(1) 27%
(2) 0%
(3) 0%
(4) 0%
(5) 9%

1934-35
VS students

(P) 68%
(1) 11%
(2) 10%
(3) 4%
(4) 4%
(5) 0%

1933-34
50 students

(P) 64%
(1) 38%
(2) 4%
(3) 0%
(4) 3%
(5) 3%

1932-33
77 students

(P) 47%
(1) 33%
(2) 11%
(3) 4%
(4) 4%
(5) 1%

SCIENCE I

1934-35
32 students

(P) 64%
(1) 19%
(2) 22%
(3) 3%
(4) 19%
(5) 0%

1933-34
31 students

(P) 58%
(1) 35%
(2) 19%
(3) 3%
(4) 3%
(5) 3%

1932-33
32 students

(P) 50%
(1) 18%
(2) 33%
(3) 18%
(4) 3%
(5) 3%

SCIENCE II (New)

1934-35
13 students

(P) 50%
(1) 23%
(2) 15%
(3) 8%
(4) 3%
(5) 0%

1933-34
16 students

(P) 54%
(1) 15%
(2) 11%
(3) 25%
(4) 5%
(5) 1%

1932-33
18 students

(P) 55%
(1) 11%
(2) 10%
(3) 10%
(4) 10%
(5) 0%

PHYSICS I (B.Sc.)

1934-35
8 students

(P) 68%
(1) 13%
(2) 0%
(3) 0%
(4) 0%
(5) 0%

1933-34
6 students

(P) 67%
(1) 33%
(2) 0%
(3) 0%
(4) 0%
(5) 0%

1932-33
11 students

(P) 64%
(1) 27%
(2) 0%
(3) 0%
(4) 0%
(5) 0%

1924-25
6 students

(P) 83%
(1) 17%
(2) 0%
(3) 0%
(4) 0%
(5) 0%

1925-26
5 students

(P) 80%
(1) 0%
(2) 0%
(3) 0%
(4) 0%
(5) 20%

1926-27
10 students

(P) 60%
(1) 10%
(2) 20%
(3) 0%
(4) 0%
(5) 10%

PHARMACY LICENTIATE I

1924-25
14 students

(P) 29%
(1) 29%
(2) 14%
(3) 14%
(4) 14%
(5) 0%

1925-26
22 students

(P) 41%
(1) 54%
(2) 0%
(3) 0%
(4) 5%
(5) 0%

1926-27
14 students

(P) 38%
(1) 19%
(2) 25%
(3) 0%
(4) 12%
(5) 6%

MEDICINE I

1924-25
21 students

(P) 33%
(1) 24%
(2) 19%
(3) 10%
(4) 14%
(5) 0%

1925-26
21 students

(P) 71%
(1) 24%
(2) 5%
(3) 0%
(4) 0%
(5) 0%

1926-27
23 students

(P) 56%
(1) 17%
(2) 9%
(3) 9%
(4) 0%
(5) 9%

PHYSIOLOGY I

1924-25
13 students

(P) 38%
(1) 8%
(2) 31%
(3) 21% 8 %
(4) 8%
(5) 7%

1925-26
9 students

(P) 67%
(1) 11%
(2) 0%
(3) 23%
(4) 0%
(5) 0%

1926-27
11 students

(P) 36%
(1) 45%
(2) 9%
(3) 0%
(4) 10%
(5) 0%

1934-35
10 students

(1) 60%
(2) 10%
(3) 0%
(4) 0%
(5) 0%

1935-36
2 students

(1) 60%
(2) 0%
(3) 0%
(4) 0%
(5) 20%

1936-37
10 students

(1) 60%
(2) 10%
(3) 20%
(4) 0%
(5) 10%

1934-35
1 student

(1) 60%
(2) 30%
(3) 14%
(4) 14%
(5) 0%

1935-36
22 students

(1) 41%
(2) 11%
(3) 0%
(4) 0%
(5) 0%

1936-37
14 students

(1) 58%
(2) 19%
(3) 22%
(4) 1%
(5) 0%

1934-35
21 students

(1) 33%
(2) 24%
(3) 13%
(4) 14%
(5) 0%

1935-36
21 students

(1) 41%
(2) 3%
(3) 0%
(4) 0%
(5) 0%

1936-37
22 students

(1) 33%
(2) 1%
(3) 9%
(4) 9%
(5) 0%

1934-35
13 students

(1) 33%
(2) 15%
(3) 23%
(4) 0%
(5) 15%

1935-36
2 students

(1) 41%
(2) 11%
(3) 0%
(4) 0%
(5) 0%

1936-37
11 students

(1) 33%
(2) 45%
(3) 0%
(4) 10%
(5) 0%

ARTS		First Year										107 students	
Subject	0-	10-	20-	30-	40-	50-	60-	65-	70-	80-	90-	Fail	Pass
English 1	0%	0%	2%	2%	19%	29%	<u>31%</u>		11%	6%	0%	23%	77%
62 students													
French A	0%	3%	0%	15%	16%	3%	10%	16%	<u>24%</u>	10%	3%	47%	53%
58 students													
French 1-3	0%	0%	0%	5%	<u>24%</u>	17%	22%		<u>24%</u>	5%	3%	46%	54%
41 students													
German A	0%	0%	0%	0%	10%	15%	40%	<u>48%</u>	11%	22%	4%	15%	85%
27 students													
German 1-3	0%	0%	12%	25%	0%	<u>50%</u>	0%		0%	13%	0%	37%	63%
8 students													
Greek 1	0%	0%	12%	0%	0%	0%	0%	<u>50%</u>	25%	0%	13%	12%	88%
8 students													
History 1	0%	0%	8%	0%	9%	<u>32%</u>	<u>32%</u>		8%	9%	2%	17%	83%
100 students													
Latin A	0%	0%	5%	5%	6%	13%	5%	15%	26%	<u>20%</u>	5%	34%	66%
61 students													
Latin 1	0%	0%	2%	7%	13%	<u>27%</u>	20%		18%	11%	2%	22%	78%
45 students													
Latin 3	0%	2%	2%	4%	14%	18%	20%		24%	14%	2%	22%	78%
45 students													
Mathematics 1	0%	0%	3%	10%	10%	<u>35%</u>	28%		10%	4%	0%	23%	77%
73 students													
Physics 1	0%	0%	4%	12%	21%	21%	34%		8%	0%	0%	37%	73%
24 students													
All courses	0%	1%	4%	6%	12%	23%	29%		14%	9%	2%	23%	77%

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YSEY J2714

	0-	10-	20-	30-	40-	50-	60-	65-	70-	80-	90+	Total
%	0%	0%	0%	2%	2%	3%	21%	21%	11%	8%	0%	65%
Females	0-	10-	20-	30-	40-	50-	60-	65-	70-	80-	90+	Total
%	0%	0%	0%	2%	2%	3%	21%	21%	11%	8%	0%	65%

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0% 0% 0% 0% 0% 0% 0% 0% 0% 0%

[illegible]

0% 0% 0% 0% 0% 0% 0% 0% 0% 0%

[illegible]

0% 0% 8% 0% 9% 23% 33% 8% 9% 5% 17% 83%

[illegible]

00 00 00 07 13 21 72 03 81 11 15 25 87

0% 3% 4% 14% 18% 20% 34% 37% 48%

1 0% 3% 10% 10% 10% 35% 38% 10% 10% 2% 0% 53% 47%

0% 0% 4% 1% 1% 1% 1% 8% 0% 0% 7% 7%

0% 1% 4% 6% 13% 23% 23% 27% 37%

ARTS	Second Year (New)										77 students	
	0=	10=	20=	30=	40=	50=	60=	70=	80=	90=	Fail	Pass
Subject												
Acc'y 1 18 students	0%	0%	0%	5%	17%	<u>40%</u>	5%	11%	17%	5%	22%	78%
Botany 1 6 students	0%	0%	0%	0%	17%	17%	<u>50%</u>	16%	0%	0%	17%	83%
Chemistry 1 72 students	0%	0%	0%	4%	14%	<u>32%</u>	31%	10%	8%	1%	18%	82%
English 2 62 students	0%	0%	2%	3%	19%	<u>34%</u>	16%	19%	5%	2%	24%	76%
French 504 38 students	0%	0%	0%	5%	16%	21%	21%	13%	<u>24%</u>	0%	21%	79%
History 2 21 students	0%	0%	5%	5%	14%	<u>34%</u>	14%	14%	14%	0%	24%	76%
History 3 16 students	0%	0%	0%	0%	6%	25%	<u>32%</u>	25%	6%	6%	6%	94%
House.Ec. 1 5 students	0%	0%	0%	0%	0%	0%	20%	<u>80%</u>	0%	0%	0%	100%
House.Ec. 2 8 students	0%	0%	0%	0%	0%	0%	<u>63%</u>	37%	0%	0%	0%	100%
House.Ec. 3 8 students	0%	0%	0%	0%	0%	0%	<u>63%</u>	<u>37%</u>	0%	0%	0%	100%
Latin 2-4 7 students	0%	0%	0%	0%	0%	29%	14%	14%	<u>43%</u>	0%	0%	100%
Math. 7 18 students	5%	5%	0%	6%	11%	22%	<u>28%</u>	17%	0%	6%	27%	73%
Philosophy 2 30 students	0%	0%	0%	4%	20%	<u>23%</u>	<u>23%</u>	<u>23%</u>	7%	0%	24%	76%
Physics 6 7 students	0%	0%	0%	0%	43%	<u>57%</u>	0%	0%	0%	0%	43%	57%
Physics 8 8 students	0%	0%	0%	0%	<u>38%</u>	25%	0%	12%	13%	12%	38%	62%
Physics 11 8 students	0%	0%	0%	13%	<u>25%</u>	12%	<u>25%</u>	0%	12%	13%	38%	62%

(new) test brood

77 a fund of \$

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Subject

Pol. Ec. 1 62 students	0%	0%	2%	13%	8%	<u>32%</u>	29%	10%	4%	2%	37%	63%
Pol. Ec. 10 12 students	0%	0%	0%	0%	0%	17%	<u>65%</u>	9%	0%	9%	0%	100%
Zoology 1 21 students	0%	0%	0%	9%	5%	<u>57%</u>	24%	5%	0%	0%	14%	86%
All courses	0%	0%	1%	<u>6%</u>	13%	29%	22%	17%	10%	2%	20%	80%

AGRICULTURE

First Year and Second Year (New)

22 students

Subject	0=	10=	20=	30=	40=	50=	60=	70=	80=	90=	Fail	Pass
A.E. 1 10 students	0%	0%	0%	10%	0%	10%	20%	40%	20%	0%	10%	90%
A.E. 2 9 students	0%	0%	0%	0%	0%	0%	33%	45%	22%	0%	0%	100%
A.H.2 10 students	0%	0%	0%	0%	0%	0%	20%	60%	20%	0%	0%	100%
Botany 1 14 students	0%	0%	0%	14%	21%	<u>37%</u>	21%	0%	7%	0%	35%	65%
Chemistry 1 9 students	0%	0%	0%	11%	22%	34%	22%	0%	11%	0%	33%	67%
Dairying 1 10 students	0%	0%	0%	0%	0%	10%	10%	20%	60%	0%	0%	100%
Entomology 1 9 students	0%	0%	0%	0%	0%	0%	11%	33%	45%	11%	0%	100%
Field Husb. 1 10 students	0%	0%	0%	0%	0%	0%	10%	20%	50%	20%	0%	100%
Hist. of Ag. 1 17 students	0%	0%	0%	0%	0%	12%	71%	17%	0%	0%	0%	100%
Hort. 2 10 students	0%	0%	0%	0%	0%	0%	0%	40%	60%	0%	0%	100%
Math. 1 8 students	0%	13%	25%	12%	13%	25%	0%	12%	0%	0%	73%	37%
Physics 1 10 students	0%	0%	0%	10%	30%	10%	20%	20%	0%	10%	40%	60%
Vet. Sci. 10 students	0%	0%	0%	0%	0%	0%	20%	10%	70%	0%	0%	100%
Zoology 1 10 students	0%	0%	0%	10%	10%	20%	50%	10%	0%	0%	20%	80%
All courses	0%	1%	1%	4%	6%	10%	26%	23%	26%	3%	12%	88%

LAW

First Year

10 students

Subject	0-	10-	20-	30-	40-	50-	60-	65-	70-	80-	90-	Fail	Pass
Contracts 10% 10 students		0%	10%	0%	0%	0%	<u>50%</u>	40%	40%	0%	0%	10%	90%
Crim. Law 0% 10 students		0%	0%	10%	0%	20%	<u>50%</u>		10%	10%	0%	10%	90%
History 3 0% 7 students		0%	0%	14%	14%	29%	0%		<u>43%</u>	0%	0%	28%	72%
Legal Hist 10% 10 students		0%	10%	0%	10%	10%	<u>30%</u>		<u>30%</u>	10%	0%	20%	80%
Property 1 0% 10 students		0%	10%	0%	0%	<u>40%</u>	<u>30%</u>		20%	0%	0%	10%	90%
Torts 1 0% 10 students		0%	10%	0%	0%	10%	50%		30%	0%	0%	10%	90%
All courses	0%	0%	9%	3%	3%	18%	38%		28%	3%	0%	13%	87%

APPLIED SCIENCE

First Year

32 students

Subject	0-	10-	20-	30-	40-	50-	60-	65-	70-	80-	90-	Fail	Pass
English 1 0% 25 students		4%	0%	12%	16%	<u>48%</u>	16%		4%	0%	0%	32%	68%
French 44 0% 17 students		0%	0%	0%	0%	12%	<u>47%</u>		29%	12%	0%	0%	100%
History 1 0% 18 students		0%	11%	5%	18%	11%	<u>50%</u>		5%	0%	0%	34%	76%
Math. 2 0% 23 students		0%	4%	18%	21%	<u>31%</u>	18%		4%	4%	0%	43%	57%
Physics 1 0% 22 students		0%	0%	9%	18%	24%	<u>27%</u>		18%	4%	0%	27%	73%
All courses	0%	1%	5%	7%	17%	20%	<u>39%</u>		8%	2%	0%	31%	69%

APPLIED SCIENCE**Second Year (New)****18 students**

Subject	0-	10-	20-	30-	40-	50-	60-	70-	80-	90-	Fail	Pass
Drawing 2 25 students	0%	0%	0%	0%	0%	40%	32%	12%	16%	0%	0%	100%
Drawing 4 22 students	0%	4%	0%	9%	9%	46%	14%	9%	9%	0%	22%	68%
Drawing 5 24 students	0%	0%	0%	0%	0%	12%	34%	29%	25%	0%	0%	100%
Math.21 22 students	0%	4%	0%	14%	14%	28%	28%	4%	4%	4%	32%	68%
Math.22 21 students	0%	0%	0%	5%	9%	33%	24%	19%	10%	0%	14%	86%
Physics 3 20 students	0%	0%	0%	0%	10%	30%	25%	25%	10%	0%	10%	90%
All courses	0%	1%	0%	4%	9%	38%	24%	16%	8%	0%	14%	86%

PHARMACY**First Year****14 students**

Subject	0-	10-	20-	30-	40-	50-	60-	70-	80-	90-	Fail	Pass
Acc'y 1 11 students	0%	0%	0%	18%	37%	27%	0%	18%	0%	0%	55%	45%
Botany 3 15 students	0%	0%	0%	27%	20%	40%	13%	0%	0%	0%	47%	53%
Chemistry 2 15 students	0%	0%	0%	7%	13%	40%	33%	7%	0%	0%	20%	80%
Latin 36 14 students	0%	0%	0%	0%	0%	14%	43%	22%	14%	7%	0%	100%
Physics 11 15 students	0%	0%	0%	13%	7%	46%	7%	20%	7%	0%	20%	80%
All courses	0%	0%	0%	13%	15%	45%	21%	13%	4%	1%	28%	72%

② SCIENCE

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18 students

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DENTISTRY

First Year

11 students

Subject	0-	10-	20-	30-	40-	50-	60-	70-	80-	90-	Fail	Pass
Botany 2 9 students	0%	0%	0%	0%	<u>45%</u>	33%	0%	11%	11%	0%	45%	55%
Chemistry 2 9 students	0%	0%	0%	0%	11%	<u>56%</u>	11%	22%	0%	0%	11%	89%
French 46 7 students	0%	0%	0%	0%	0%	<u>42%</u>	<u>58%</u>	0%	0%	0%	0%	100%
Physics 11 8 students	0%	0%	0%	0%	0%	13%	<u>50%</u>	13%	29%	<u>25%</u>	0%	100%
Zoology 2 9 students	0%	0%	0%	0%	11%	<u>56%</u>	10%	23%	0%	0%	11%	89%
All courses	0%	0%	0%	0%	14%	<u>45%</u>	23%	14%	4%	0%	14%	86%

MEDICINE

First Year

16 students

Subject	0-	10-	20-	30-	40-	50-	60-	70-	80-	90-	Fail	Pass
Botany 2 16 students	0%	0%	6%	6%	0%	<u>38%</u>	31%	13%	6%	0%	12%	88%
Chemistry 2 15 students	0%	0%	0%	7%	0%	27%	<u>52%</u>	7%	7%	0%	7%	<u>93%</u>
French 46 13 students	0%	0%	0%	0%	0%	8%	8%	<u>54%</u>	30%	0%	0%	100%
Physics 11 14 students	0%	0%	0%	0%	7%	7%	<u>43%</u>	22%	21%	0%	7%	93%
Zoology 2 13 students	0%	0%	7%	8%	8%	31%	23%	23%	0%	<u>0%</u>	23%	77%
All courses	0%	0%	3%	4%	3%	22%	34%	22%	12%	<u>0%</u> ~~12%~~	10%	90%

PART II

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THE FINANCIAL STATEMENT

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UNIVERSITY OF ALBERTA

BALANCE SHEET AS AT DECEMBER 31, 1927

1

ASSETS

CAPITAL ACCOUNT

LAND, BUILDINGS AND PLANT	\$3,545,920.00	
HOSPITAL BUILDINGS	253,000.00	
Less: Lent by Dominion Govt.	<u>100,000.00</u>	153,000.00
FURNISHINGS AND EQUIPMENT		646,794.22
LIVESTOCK		33,164.35
BOND DISCOUNT AND EXPENSE		405,176.42
DUE FROM INCOME ACCOUNT	<u>26,639.67</u>	4,810,694.86

INCOME ACCOUNT

CASH	3,591.93	
ACCOUNTS RECEIVABLE	47,409.81	
INVENTORIES	71,288.92	
DEFERRED EXPENDITURE:		
Unexpired Insurance	6,529.70	
ADVANCES TO UNIVERSITY HOSPITAL	185,636.60	
DEFICIT ACCOUNT as at Dec. 31, 1926	15,305.78	
Add Deficit for year 1927	<u>1,775.68</u>	<u>17,081.46</u>
		331,538.42

TRUST ACCOUNT

SECURITIES	505,329.80	
DEBENTURES RECEIVABLE	1,703.50	
CASH	<u>61,907.35</u>	<u>568,940.65</u>
		\$5,711,173.93

LIABILITIES

CAPITAL ACCOUNT

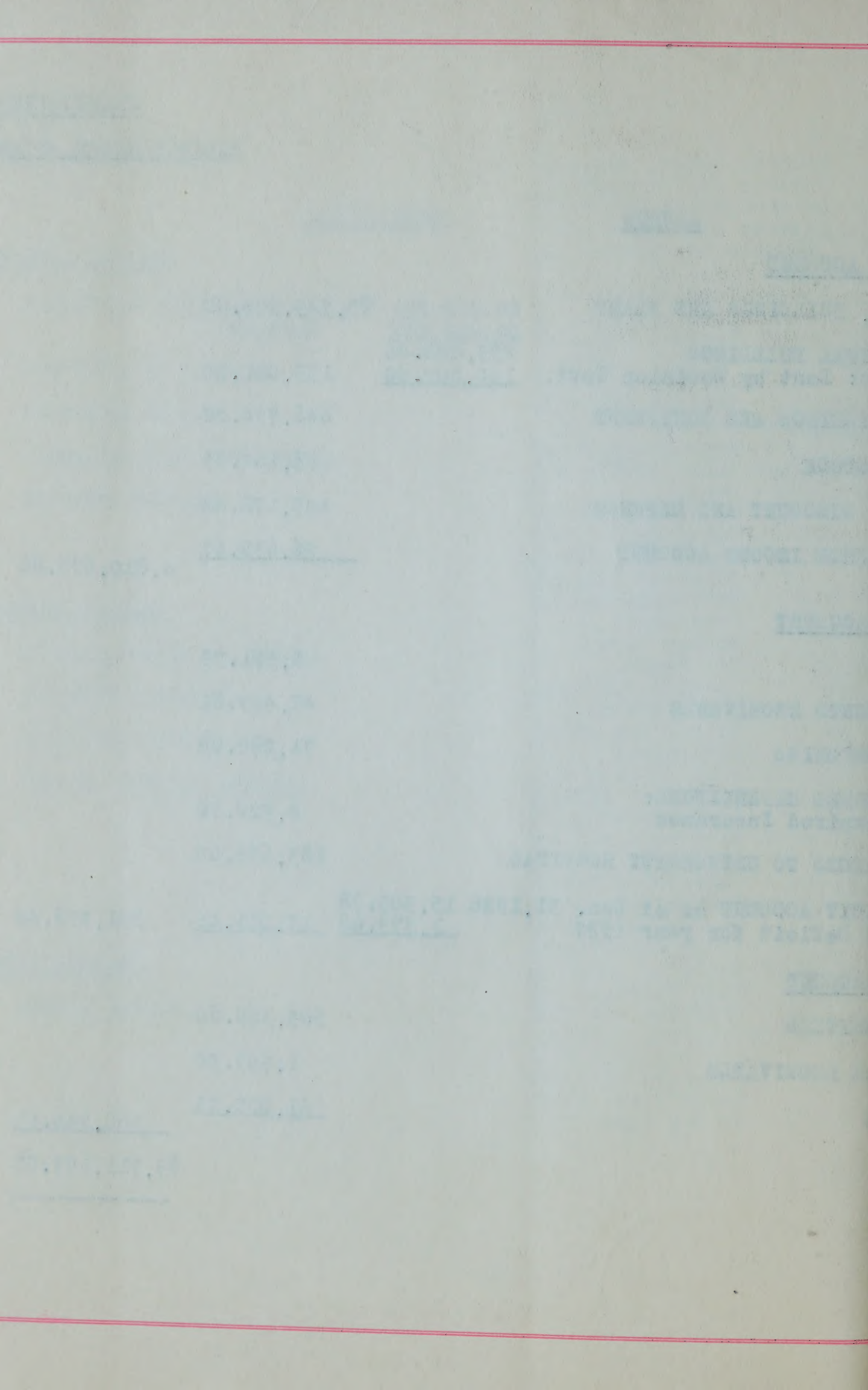
DEBENTURE DEBT University	\$ 450,000.00	
Hospital	<u>150,000.00</u>	600,000.00
PROVINCE OF ALBERTA		4,146,063.26
ACCOUNTS PAYABLE		4,492.25
LIBRARY FEES UNEXPENDED		5,222.62
CAPITAL SURPLUS		<u>54,916.73</u>
		4,810,694.86

INCOME ACCOUNT

IMPERIAL BANK OF CANADA	242,502.46
ACCOUNTS PAYABLE	58,602.36
DEFERRED REVENUE	3,793.93
DUE TO CAPITAL ACCOUNT	<u>26,639.67</u>
	331,538.42

TRUST ACCOUNT

SUNDRY TRUSTS	568,940.65
	<u>568,940.65</u>
	\$5,711,173.93



UNIVERSITY OF ALBERTA

2

STATEMENT OF REVENUE AND EXPENDITURE

1927

VENUE:

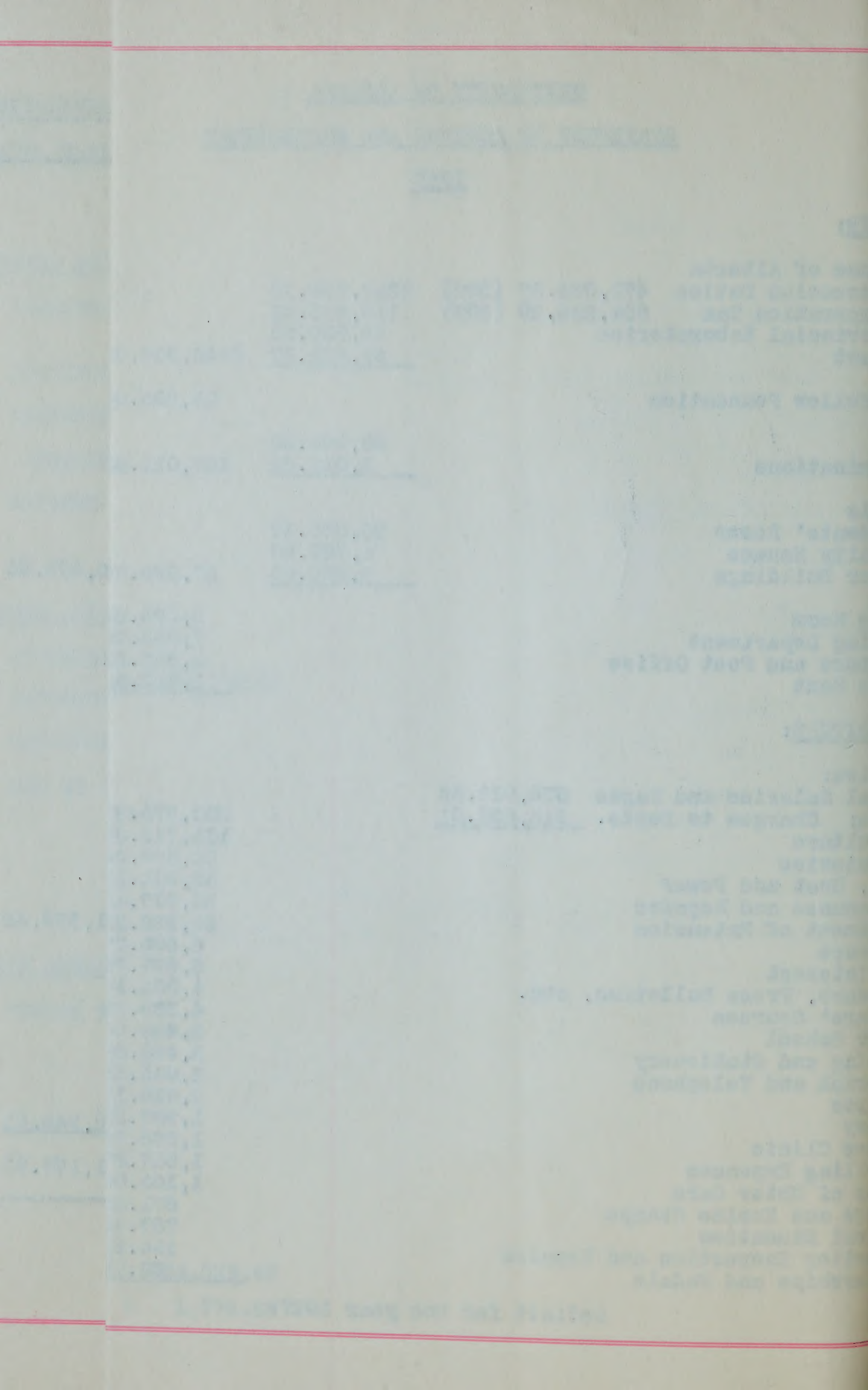
Province of Alberta			
Succession Duties	473,064.37 (50%)	\$236,532.18	
Corporation Tax	554,232.29 (20%)	110,846.45	
Provincial Laboratories		36,000.00	
Grant		<u>65,521.37</u>	\$448,900.00
McKefeller Foundation			25,000.00
Examinations		<u>98,994.00</u>	
		<u>3,017.63</u>	102,011.63
Students' Rooms		20,885.17	
Faculty Houses		4,309.88	
Other Buildings		<u>2,500.00</u>	27,695.05
Dining Room			5,373.26
Printing Department			7,833.76
Bookstore and Post Office			3,857.61
Tramway Rent			<u>1,562.50</u>
			\$622,233.81

EXPENDITURE:

Salaries:			
Total Salaries and Wages	579,980.36		
Less: Charges to Depts.	<u>248,605.01</u>		
Agriculture		331,375.35	
Laboratories		104,713.45	
Light, Heat and Power		51,529.24	
Maintenance and Repairs		35,991.13	
Department of Extension		34,977.48	
Insurance		22,928.22	
Bank Interest		6,695.77	
Lenders, Press Bulletins, etc.		6,597.76	
Teachers' Courses		4,852.16	
Summer School		4,580.00	
Printing and Stationery		3,800.00	
Telegraph and Telephone		3,498.26	
Indries		2,045.32	
Library		2,020.12	
Outdoor Clinic		1,987.53	
Travelling Expenses		1,888.76	
Keep of Motor Cars		1,517.30	
Stage and Excise Stamps		1,103.04	
Physical Education		871.56	
Typewriter Inspection and Repairs		787.49	
Scholarships and Medals		<u>196.55</u>	
		53.00	624,009.49

Deficit for the year 1927:

\$ 1,775.68



UNIVERSITY OF ALBERTA HOSPITAL
BALANCE SHEET AS AT DECEMBER 31ST, 1927.

ASSETS

ACCOUNTS RECEIVABLE:

Dominion of Canada (D.S.C.R.)	\$11,116.92
Province of Alberta	17,002.16
City of Edmonton	9,859.77
Civilian Patients	225,715.42
Less: Reserve for Bad Debts	<u>188,036.66</u>
	37,678.76

75,657.61

INVENTORIES

12,850.00

UNEXPIRED INSURANCE

1,117.00

CASH

1,178.76

HOSPITAL BUILDINGS:

150,000.00

Building Fixtures	9,937.61
Robertson College	<u>800.00</u>

160,737.61

EQUIPMENT:

107,488.34

Less: Lent By Dominion Govt.	<u>62,378.20</u>	45,110.14
------------------------------	------------------	-----------

DEFICIT:

As at December 31st, 1926	66,405.52
Less: Surplus Income 1927	<u>4,188.26</u>
	62,217.26

\$358,868.38

LIABILITIES

DEBENTURE DEBT

\$150,000.00

ACCOUNTS PAYABLE (DIAGNOSTIC CLINIC)

10.00

EQUIPMENT RESERVE (DONATION)

19,051.67

PROVINCE OF ALBERTA (CAPITAL ADVANCES)

4,170.11

UNIVERSITY OF ALBERTA

185,636.60

\$358,868.38

Civilian Charges 4,900.00
S. C. R. 406.00

Salaries 1,013.83
Supplies 521.29

\$ 1,535.12

ORTHOPAEDIC

Civilian Charges 1,194.30
S. C. R. 44.56

Salaries 1,833.30
Supplies 1,484.65
Administrative & Indirect Expenses 226.82

\$ 1,236.86
Inclusive Cost per In-Patient per day \$2.97: \$ 4,314.77
\$ 186,371.06

OUTDOOR

Salaries 2,400.00
Supplies 562.41
Staff Board & Room 768.00

UNIVERSITY OF ALBERTA HOSPITAL

4

STATEMENT OF INCOME AND EXPENDITURE FOR THE YEAR 1927.

INCOME		EXPENDITURE	
		WARDS	
Private " 18 days @ 7.00	126.00	Salaries and Wages	26,996.57
Semi-Private " @ 5.00	9,885.00	Supplies	7,383.65
Public " @ 3.50	20,580.00	Rooms for Staff	4,177.89
Staff " @ 2.50	60,237.50	Meals at Residence	5,127.72
Babies " @ 2.00	6,774.00	Training School Expenses	2,273.15
S. C. R. " No charge	48,166.25	Meals of Patients, Staff and Help	56,980.64
Orthopaedic " No charge	145,768.75	Laundry	8,355.75
Deduct allowance to Municipalities, etc.	<u>747.17</u>	Administrative & Indirect Expenses	39,374.48
	\$145,021.58		\$146,491.96
OPERATING ROOM AND ANAESTHESIA			
Civilian Charges 7,577.50		Salaries and Wages	4,527.39
S. C. R. 1,205.00		Supplies	5,208.66
		Staff Board and Room	1,800.00
		Laundry	938.84
		Administrative & Indirect Expenses	<u>4,984.11</u>
	\$ 8,782.50		\$ 17,459.00
X-RAY DEPARTMENT			
Civilian Charges 9,478.00		Salaries	5,810.00
S. C. R. 5,954.00		Supplies	2,814.09
		Staff Board & Room	384.00
		Administrative & Indirect Expenses	<u>513.83</u>
	\$ 5,306.00		\$ 1,535.12
ORTHOPAEDIC			
Civilian Charges 1,194.30		Salaries	1,833.30
S. C. R. 44.56		Supplies	1,484.65
		Administrative & Indirect Expenses	<u>226.82</u>
	\$ 1,238.86		\$ 4,314.77
		Inclusive Cost per In-Patient per day	\$2.97:
			\$186,371.06
OUTDOOR			
		Salaries	2,400.00
		Supplies	562.41
		Staff Board & Room	768.00

UNIVERSITY OF ALBERTA

CAPITAL ASSETS

LAND, BUILDINGS AND PLANT

University Site	\$150,000.00
Experimental Farm Site	69,117.49
Medical and Chemistry Building	1,067,775.36
Residential Halls	684,094.63
Arts Building	667,695.69
Power Plant & South Laboratory	271,283.99
Mining Engineering Building	141,049.19
Faculty Houses	79,256.71
Dining Hall	78,307.68
Grounds Improvement	75,301.84
Barns	72,250.51
Heating Plant	56,447.17
Steam Lines	59,655.85
Farm Buildings	26,255.30
Sewers & Water Mains	21,587.25
Gas Plant	12,307.51
Electric Light & Telephones	3,953.74
New Garage & Carpenter Shop	<u>9,580.29</u>

\$3,545,920.20

6

UNIVERSITY OF ALBERTA

CAPITAL ASSETS

Furnishings and Equipment:-

Laboratories		\$232,822.52	
General		142,468.64	
Medical Equipment		87,061.29	
Library		67,228.65	
Library Travelling		20,570.96	
Agricultural			
General	6,340.00		
Field Crops	16,416.81		
Animal			
Husbandry	<u>19,274.60</u>	42,031.41	
Printing Machinery		22,387.39	
Museum		6,450.00	
Machine Shop		6,050.21	
Household Economics		5,747.97	
Architectural		4,310.20	
Physical Education		4,028.32	
Auto and Motor Truck		2,406.85	
Carpenter's Shop		2,059.70	
Hospital (Capital Charges)		<u>1,170.11</u>	\$646,794.2

UNIVERSITY OF ALBERTA

CAPITAL ASSETS

DEFERRED EXPENDITURE

Bond Discount and Expense

Jan. 1/27

\$393,233.84

Sundry charges and adjustments
to bring total Dec. 31, 1927
to amount based on amort-
ization tables.

11,942.58

\$405,176.42

UNIVERSITY OF ALBERTADUE BY INCOME ACCOUNT TO CAPITAL ACCOUNTCAPITAL RECEIPTS 1927

Province of Alberta	\$30,596.13	
Library Fees	6,045.80	
J. E. State Estate	<u>58.95</u>	
	36,700.88	
Add due to Income 1926	<u>22,434.14</u>	\$59,135.02

CAPITAL EXPENDITURE 1927

Power Plant & Steam Lines	14,094.09	
New Garage & Carpenter Shop	<u>284.14</u>	14,378.23
Hospital Buildings & Equipment		4,170.11
Laboratories	1,270.91	
Residences	1,381.89	
Library	6,359.29	
Museum	<u>250.00</u>	9,262.09
Livestock		<u>5,197.65</u>
		<u>33,008.08</u>
		26,126.94
Add Increase in Accounts Payable		<u>512.73</u>
		<u>\$26,639.67</u>

UNIVERSITY OF ALBERTA

DUE BY INCOME ACCOUNT TO CAPITAL ACCOUNT

CAPITAL RECEIPTS 1957

Province of Alberta	\$30,596.13
Library Fees	6,045.80
J. E. State Estate	<u>58.95</u>

36,700.88

32,434.14

Add due to Income 1956

\$39,135.02

CAPITAL EXPENDITURE 1957

Power Plant & Steam Lines	14,094.09
New Garage & Carpenter Shop	<u>284.14</u>
	14,378.23
Hospital Buildings & Equipment	4,170.11

Museum	250.00
Library	6,359.29
Residences	1,381.89
Laboratories	<u>1,270.91</u>
	9,562.09

5,197.62 33,008.08

36,156.94

518.73

\$36,639.67

Add Increase in Accounts Payable

Livestock

UNIVERSITY OF ALBERTA

CAPITAL LIABILITIES

PROVINCE OF ALBERTA

Balance as at December 31st, 1926 \$4,115,467.13

Funds advanced by Government for
Capital Expenditure in 1927

Hospital	\$4,170.11	
Power Plant &		
Steam Lines	13,749.05	
Furniture & Equipment	1,265.99	
Laboratories	<u>1,016.16</u>	20,201.31

Advanced in 1927 for Capital Expenditure
made in 1926

10,594.82
\$4,146,065.23

UNIVERSITY OF ALBERTACAPITAL LIABILITIESSchedule
"C 5"DEBENTURE DEBT.

<u>Authority for issue</u>	<u>Date of issue</u>	<u>Date of Maturity</u>	<u>Nominal rate of interest</u>	<u>Amount of issue</u>
O/C 1177/1921	July 1, 1921	July 1, 1936	6 $\frac{1}{2}$ %	\$450,000.00

UNIVERSITY OF ALBERTA

CAPITAL SURPLUS

Capital Surplus as at Dec. 31, 1926	\$48,498.49
J. E. State Estate	58.95
Library Funds Expended	<u>6,359.29</u>

\$54,916.73

CURRENT ASSETS.CASH ON HAND

Cheques and Currency (Imprest Fund)	\$2,000.00	
Bank Deposits made up	<u>1,591.93</u>	
		\$3,591.93

ACCOUNTS RECEIVABLE

General	36,061.22	
Fees	4,608.70	
Board & Room	<u>6,739.89</u>	
		47,409.81

INVENTORIES

Works Department	10,630.32	
Bookstore	18,834.00	
Extension (Visual Instruction)	31,881.60	
Printing Department	4,125.84	
Dining Room	983.01	
Pharmacy	1,501.98	
Dental Clinic	848.97	
Power Plant (Coal)	<u>2,463.20</u>	
		71,288.92

CURRENT ASSETS.

CASH ON HAND

INVENTORY OF SUPPLIES

Cheques and Currency (Interest Fund)

\$2,000.00

Bank Deposits made up

1,591.93

\$3,591.93

ACCOUNTS RECEIVABLE

General Library funds expended

Fees

Board & Room

\$6,061.22

4,608.70

\$1,452.52

\$6,739.89

\$47,409.81

INVENTORIES

Works Department

Bookstore

Extension (Visual Instruction)

Printing Department

Dining Room

Pharmacy

Dental Clinic

Power Plant (Coal)

\$10,680.22

\$18,824.00

\$1,881.60

\$4,128.84

\$283.01

\$1,501.93

\$428.97

\$2,423.20

\$71,288.92

UNIVERSITY OF ALBERTA

GENERAL ACCOUNT

12

Schedule 1 4" Bank Reconciliation December 31, 1927.

Balance (o/d)	November 30, 1927	81,654.19	
Deposit	66,206.76		
Dec. 3, Bank Note	<u>200,000.00</u>	266,206.76	
		<u>184,552.57</u>	
Withdrawals	75,463.10		
Dec. 3, Bank Note	<u>150,000.00</u>	225,463.10	
			<u>\$40,910.53</u>
Balance (Debit as per bank Book, Dec. 31, 1927)		29,122.22	
Less Deposits			
January 3, 1928	881.66		
	44.40		
	60.15		
	<u>605.72</u>	1,591.93	
Charges as per List		350.32	
Dec. 3 Interest on Note			
\$150,000 Cheque issued			
Jan. 4, 1928 (Vr. 9910)	2,147.25		
Less Rebate	<u>22.60</u>	2,124.65	
Dec. 28th Interest on Over- draft Cheque issued Jan. 4, 1928 (Vr. 9896)		<u>86.86</u>	4,153.76
			<u>24,968.46</u>
Plus - overdeposit Dec. 6th			3.25
			<u>24,971.71</u>
Cheques (o/s)			<u>15,938.82</u>
			<u>\$40,910.53</u>

CHARGES

From November	Mutual Life	189.30	
	E. G. Woodland	10.00	
	J. H. Hunter	<u>87.02</u>	286.32
	Less Protest Fees Paid Twice		4.10
			<u>282.22</u>
November 16th.	H. D. Gourlay	50.00	
22nd.	H. Dreamy	8.00	
	Dubuc	9.10	
	H. H. Beach	<u>1.00</u>	68.10
			<u>350.32</u>
	Mutual Life redeposited Jan.		6/28
	J. R. Hunter	"	18/28
	H. D. Gourlay	"	10/28
	H. Dreamy	"	4/28
	H. H. Beach	"	10/28

UNIVERSITY OF ALBERTATRUST ASSETSSECURITIES.

Province of Alberta Debenture due Feb. 15th, 1974		\$500,000.00	
Province of Alberta Debentures due April 1, 1936		1,932.80	
Dominion of Canada War Loan due Nov. 1, 1934.		1,150.00	
Province of Alberta Savings Certificates		665.00	
Province of Alberta Debentures due June 1, 1939		597.00	
Province of Alberta Debentures due May 1, 1930		100.00	
Province of Alberta Bond 1936 6%		500.00	
Province of Alberta Bonds due Jan. 15, 1946.		385.00	
		<u>\$505,329.80</u>	
Cash	61,907.35		
Loans Receivable	<u>1,703.50</u>	<u>63,610.85</u>	\$568,940.65

SUNDRY TRUSTS.

Rockefeller Foundation	\$500,000.00	
General Trust	58,434.82	
Alberta Pharmaceutical Association	1,372.79	
Sir James Aikins Scholarship	2,246.63	
Women's University Club Scholarship	1,827.79	
Students' Loan Fund	2,337.71	
Law Library Fund	650.71	
Alberta Optometry Association	740.59	
Moshier Memorial	398.75	
Students' Union	600.00	
Women's University Club Loan Fund	197.60	
I. O. D. E. (19th A. D. Chapter)	68.15	
Women's University Club Colonial History	52.60	
Dr. Blais' Prize.	<u>12.51</u>	\$568,940.65

UNIVERSITY OF ALBERTA

TRUST ACCOUNTS

SECURITIES

Province of Alberta Debentures	
due Feb. 15th, 1974	\$500,000.00
Province of Alberta Debentures	
due April 1, 1983	1,332.80
Dominion of Canada War Bonds	
due Nov. 1, 1984	1,180.00
Province of Alberta Savings	
Certificates	332.00
Province of Alberta Debentures	
due June 1, 1982	897.00
Province of Alberta Debentures	
due May 1, 1980	100.00
Province of Alberta Bonds 1982	500.00
Province of Alberta Bonds	
due Jan. 15, 1946	332.00

\$500,332.80

\$568,940.36

61,907.32
1,703.50

Cash
Loans Receivable

SUMMARY TRUSTS

Bookeller's Foundation	\$500,000.00
General Trust	33,134.82
Alberta Pharmaceutical Association	1,342.72
Sir James Adkins Scholarship	2,243.63
Women's University Club Scholarship	1,327.72
Students' Loan Fund	2,337.71
Law Library Fund	350.71
Alberta Optometry Association	750.32
Mosher Memorial	338.72
Students' Union	600.00
Women's University Club Loan Fund	187.60
I. O. D. W. (19th A. D. Chapter)	62.12
Women's University Club Colonial History	62.60
Dr. Blair, Prize	12.51

\$568,940.36

S U M M A R YSCHEDULE OF FEES

Registration Fees	\$ 2,358.00
Arts	30,065.50
Household Economics	2,945.00
Medicine	25,608.50
Applied Science	14,064.00
Agriculture	3,117.50
Pharmacy	3,062.00
Law	2,180.00
Dentistry	8,493.00
Languages	2,805.00
Nursing	210.00
Correspondence Course	1,514.00
Summer School	2,291.50
Graduation	15.00
Fees & Late Registration	265.00
	<u>\$98,994.00</u>

S U M M A R Y

15

December 31, 1927

Vote 46, Schedule of FeesExpenditureRevenueSpecial Fees:

Architecture	10.00
Absentia	320.00
Transcript	253.00
Vise	189.00
Supplemental	1,347.00
Degree Fees	2,275.00
Law	85.00
Medicine	65.00
Dentistry	70.00
R.N.	1,370.00
Veterinary	25.00
Optometry	90.00
Presiding	55.76
Appeal	75.00
Summer Reading	7.50
Re-reading	5.00
Refresher Course	102.00
Pharmacy	100.00
Alberta Land Surveyors	15.00
Exam.	42.00

6,501.26

Special	109.50
Presiding	301.50
Law	252.50
Medical	165.00
Optometry	188.00
R. N.	863.80
Pro. Engineers	23.80
Dentistry	118.00
Pharmacy	56.00
Diplomas, Etc.	1,405.53

Balance

3,483.63

\$3,017.63

President	Dr. H. M. Tory	8,000.00	
President's Secy.	Miss B. Oakley, B. A.	<u>1,800.00</u>	9,800.00

Registrar's Office.

Registrar	C. E. Race, M.A. C.A. (Deceased)	1.125.00	
Registrar, Acting	E. W. Sheldon, M.A. Ph.D.	1,250.00	
Chief of Records	Miss E. M. Hayward (8 mos.)	920.00	
Chief of Records	Miss A. Owens, (4½ mos)	360.00	
Photographer,	Miss M. Graham, B.A.	1,080.00	
Photographer,	Miss L. M. Heathcote, B.A.	1,200.00	
Photographer,	Miss G. Sorenson, B. A.	923.87	
Examinations Clerk	Miss M. Fulmer,	1,376.00	
Library Assistance		136.65	
Admissions	Freshman Committee	<u>84.25</u>	8,455.77

Schools' Office.

Principal	A. West.	4,500.00	
Accountant,	G. G. Harris, C.A.	2,600.00	
Bookkeeper	Mrs H. C. Dawson, (5 mos.)	717.75	
Bookkeeper,	J. Cubbon,	1,125.00	
Chief	F. E. Brennand (9½ mos)	555.48	
Chief	H. C. Walker (2 mos.)	100.00	
Chief	Miss M. Bailey (7 mos.)	490.00	
Chief	H. C. Walker (10 mos)	300.00	
Ice Boy	W. Methven (2 2/3 mos)	69.35	
Ice Boy	G. Sherwin (7 mos.)	175.00	
Photographer,	Miss J. G. Nairn, (9 Mos.)	810.00	
Photographer,	Miss G. Jackson, (3 mos)	265.00	
Photographer,	Miss M. E. Nairn (9½ mos)	787.00	
Photographer,	Miss J. Truswell	1,020.00	
Photographer,	Miss W. Watson (9½ mos)	510.32	
Photographer,	Miss M. Bishop, (2½ mos)	146.77	
Library Assistance,	Extra Assistance	<u>107.49</u>	14,279.16

Library

Librarian,	D. E. Cameron, M. A.	3,250.00	
Assistant,	Miss D. Richards, B. A.	1,500.00	
Assistant,	Miss J. Millar, B.A.	1,200.00	
Assistant,	Mrs. C. E. Race. (3 mos)	270.00	
Library Assistance,	W. L. Valens (3½ ")	120.00	
	K. C. McKenzie (3 ")	117.50	
	H. H. L. Dickson (3½ ")	117.50	
	J. McIntyre (1½ ")	<u>37.25</u>	6,612.90

Faculty of Arts & Science.

Secretary	W. A. R. Kerr, M. A. PH. d	500.00	
	Miss J. Williamson, B. A. (4 Mos)	800.00	
	Miss H. Beny, B. A. (8 mos)	<u>320.00</u>	1,620.00

8,000.00
1,800.00 2,800.00

Dr. H. M. Torg
Miss B. Oakley, B. A.

er's Office.

G. E. Race, M.A. C.A. (Deceased) 1,125.00
H. W. Sheldon, M.A. T.M.D. 1,280.00
Miss E. M. Hayward (8 mos.) 920.00
Miss A. Owens (4 1/2 mos) 580.00
Miss M. Graham, B.A. 1,080.00
Miss L. M. Heathcote, B.A. 1,200.00
Miss G. Sorenson, B. A. 925.87
Miss M. Palmer, 1,376.00
Assistance 158.65

Freshman Committee

8,455.77

e Office.

A. West. 4,500.00
G. G. Harris, C.A. 2,600.00
Mrs H. C. Dawson (5 mos.) 717.75
J. Gibson 1,125.00
W. E. Brennan (9 1/2 mos) 555.48
H. C. Walker (2 mos.) 100.00
Miss M. Bailey (7 mos.) 430.00
E. G. Walker (10 mos) 300.00
W. Johnston (2 1/2 mos) 69.35
G. Stewart (7 mos.) 175.00
Miss J. G. Kairn (9 mos.) 810.00
Miss G. Jackson (3 mos) 265.00
Miss M. E. Kairn (9 1/2 mos) 787.00
Miss J. Truswell 1,020.00
Miss W. Watson (9 1/2 mos) 310.82
Miss M. Bishop (2 1/2 mos) 146.77
Extra Assistance 107.49

14,272.16

D. E. Cameron, M. A. 2,260.00
Miss D. Richards, B. A. 1,500.00
Miss J. Miller, B.A. 1,300.00
Mrs. C. E. Race (3 mos) 270.00
W. E. Valens (3 1/2 ") 180.00
K. G. McKenzie (2 ") 117.50
H. H. D. Dickson (3 1/2 ") 117.50
J. McIntyre (1 1/2 ") 37.25

6,612.90

of Arts & Science.

W. A. E. Kerr, M. A. Ph. D. 500.00
Miss J. Williamson, B. A. (4 Mos) 800.00
Miss H. Beny, B. A. (8 mos) 320.00

1,620.00

Faculty of Medicine.

Dean.	A. C. Rankin, M.D. D.P.H.	500.00	500.00
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Faculty of Law.

Dean.	J. A. Weir, B.A. L.L.D.	500.00	500.00
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Faculty of Applied Science

Dean.	R. W. Boyle, M.A. Ph.D.	500.00	500.00
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Faculty of Agriculture

Dean,	E. A. Howes, B.S.A.	500.00	
	Miss B.D.Lewis (10 $\frac{1}{4}$ mos)	975.33	
	Miss M.E. Nairn (2 $\frac{3}{4}$ mos.)	233.00	1,708.33

Provost's Department.

Provost,	J.M. MacBachran, M.A. Ph.D.	500.00	
Advisor to Women	Miss R.D. Dodd, B.Sc.	2,400.00	2,900.00

Classics.

Professor,	W.H. Alexander, M.A. Ph.D.	4,500.00	
Associate Professor	Geneva Misener, M.A. Ph.D.	3,750.00	
	W.G. Hardy, M.A. Ph.D.	3,100.00	
	Miss M. Gold, M.A.	1,800.00	13,150.00

English

Professor,	E. K. Broadus, M.A. Ph.D.	4,500.00	
	R.K. Gordon, M.A. Ph.D.	4,250.00	
	G. Riddaugh, M.A.	1,800.00	
	A.R. Jewitt, B.A. (8 mos)	1,200.00	
	Miss M. Sherlock, B.A. (4 mos)	300.00	
	H.H.L. Dickson, B.A. (4 mos)	400.00	
	J.E. Harris, B.A. (4 mos.)	300.00	12,750.00

Moderns (French & German)

Dean,	W.A.R. Kerr, M.A. Ph.D.	4,500.00	
Professor,	J.F. Coar, M.A. Ph.D.	4,250.00	
Associate Professor,	E. Sonet, B.es L.	3,750.00	
Assistant Professor,	A.P. Pelluet,	2,700.00	
Lecturer,	Francis Owen, B.A.	3,000.00	
	Henri de Savoye, B.es L.		
	LL.B.	2,500.00	20,700.00

Philosophy

Professor,	J.M. MacBachren, M.A. Ph.D.	4,500.00	
	John MacDonald, M.A.	3,300.00	
	M.E. Lazerte, M.A.	2,600.00	10,400.00

Drawing

Professor,	James Adam, M.A.	3,100.00	3,100.00
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<u>Anatomy</u> , Technician, Laboratory Assistant,	R.G.Revell, B.A. M.D.	4,500.00	
	R.F.Shaner, Ph.D.	3,500.00	
	H.Green, M.D. C.M.	2,100.00	
	Edith Hamilton (3 mos)	342.84	
	H.E.Rawlinson (3 Mos)	300.00	
	A.G.Fairall	1,500.00	
	T.C.Omand (7½ mos)	675.00	
	E. Caswell (4 Mos)	400.00	
	D.G.Revell, Junr. (2 mos)	160.00	
	E.J.Verreau (4 mos)	400.00	13,877.84

<u>Physiology.</u>			
Professor	A.W.Downs, M.A. M.D.	4,500.00	
Assistant Professor	H.B.Eddy, M.D.	3,000.00	
Lecturer,	J.P.Quigley, B.Sc.	2,300.00	
Laboratory Assistant,	Alfred Farmer	1,200.00	
	C.F.Dedman (7 mos)	495.00	11,495.00

<u>Biochemistry.</u>			
Professor,	J.B.Collip, M.A. Ph.D.	4,500.00	
Assistant Professor,	J.W.Scott, M.D.	2,600.00	
Technician,	A.A.Long	1,500.00	8,600.00

<u>Clinical Medicine.</u>			
Professor,	E.L.Pope, M.D. C.M. M.R.		
	C.S. L.P. C.P.	5,000.00	
Associate Professor,	H.C.Jamieson, M.B.	2,500.00	
	Walter Scott, M.D. C.M.	1,500.00	
Lecturers,	I.R.Bell, B.A. M.B.	2,000.00	
	Dr.Morton E. Hall		
	M.D. C.M.	500.00	
	A.F. Anderson, M.D. C.M.	200.00	
	J.E.Carmichael, M.D.		
	C.M. B. Sc.	200.00	
	C.Hurlburt, M.D.	500.00	
	D.B.Leitch, B.A. M.D.	500.00	
	F.S.McPherson, M.D.	200.00	
	E.H.Cook, M.D. C.S.	250.00	
	E.C.Smith, M.D. C.M.	250.00	
	W.A.McKay, M.D.	100.00	13,700.00

<u>Clinical Surgery.</u>			
	F.H.Mewburn, M.C. C.M.		
	L.L.D.	5,000.00	
	W.Fulton Gillespie,		
	M.A. M.D.	450.00	
	H.H.Hepburn, M.D. C.M.	500.00	
	G.C.Grey, M.B.	500.00	
	Harold Orr	250.00	
	A.R.Munroe, M.D. C.M.	500.00	
	W.A.Wilson, M.D. C.M.	500.00	
	L.C.Harris, M.D. C.M.	200.00	
	I.W.T.McEachern, M.D. C.M.	200.00	
	J.A.McPherson, M.D.	200.00	
	J.L.Petittclere, M.D.	200.00	
	N.L.Terwillegar, M.D.	200.00	
	A. Blais, M.D. B.S.	500.00	9,150.00

4,500.00	E.C. Revelle, B.A., M.D.	Physiology
3,500.00	E.W. Shuman, M.D.	Physiology
2,500.00	Korzen, H.E., M.D.	Physiology
245.84	Edith Hamilton (3 mos)	Physiology
200.00	H.E. Rabinowitz (12 mos)	Physiology
1,500.00	A.C. Weisell	Physiology
275.00	E.C. Gorman (17 mos)	Physiology
400.00	H. Gorman (14 mos)	Physiology
160.00	D.C. Revelle, Junior (2 mos)	Physiology
400.00	H.J. Varren (4 mos)	Physiology
4,500.00	E.A.W. Downes, B.A., M.D.	Physiology
3,000.00	E.B. Nady, M.D.	Physiology
2,500.00	J.E. Wiley, B.Sc.	Physiology
1,500.00	Assistant, Alfred Varren	Physiology
425.00	E.T. Dabman (12 mos)	Physiology
4,500.00	E.T. Gollig, M.D.	Physiology
3,500.00	E.W. Scott, M.D.	Physiology
1,500.00	E.A. Long	Physiology
4,500.00	E.E. Pope, M.D., C.M., M.R.	Clinical Medicine
3,000.00	G.E. W.P., M.D.	Clinical Medicine
2,500.00	H.B. Jamieson, M.D.	Clinical Medicine
1,500.00	Walter Scott, M.D., C.M.	Clinical Medicine
2,500.00	I.R. Bell, B.A., M.D.	Clinical Medicine
500.00	Dr. Horace A. Hall	Clinical Medicine
500.00	M.W. C.M.	Clinical Medicine
500.00	E.H. Anderson, M.D., C.M.	Clinical Medicine
500.00	J.M. Carmichael, M.D.	Clinical Medicine
500.00	C.M. B. Sc.	Clinical Medicine
500.00	C. Karpman, M.D.	Clinical Medicine
500.00	D.B. Reiter, B.A., M.D.	Clinical Medicine
500.00	F.S. McPherson, M.D.	Clinical Medicine
500.00	E.H. Cook, M.D., C.E.	Clinical Medicine
500.00	E.G. Smith, M.D., C.M.	Clinical Medicine
500.00	W.A. McKay, M.D.	Clinical Medicine
5,000.00	E.E. Newberry, M.D., C.M.	Clinical Surgery
450.00	W. Wilson Gilchrist	Clinical Surgery
500.00	M.A. M.D.	Clinical Surgery
500.00	M.H. Harburn, M.D., C.M.	Clinical Surgery
500.00	G.C. Gray, M.D.	Clinical Surgery
500.00	Harold Orr	Clinical Surgery
500.00	A.E. Harwood, M.D., C.M.	Clinical Surgery
500.00	W.A. Wilson, M.D., C.M.	Clinical Surgery
500.00	E.G. Harris, M.D., C.M.	Clinical Surgery
500.00	I.W. McPherson, M.D., C.M.	Clinical Surgery
500.00	J.A. McPherson, M.D.	Clinical Surgery
500.00	J.D. Patterson, M.D.	Clinical Surgery
500.00	M.H. Terwilliger, M.D.	Clinical Surgery
500.00	A. Nite, M.D., B.S.	Clinical Surgery

12,875.84

11,425.00

8,600.00

12,000.00

9,450.00

Surgical Anatomy

E. Green, M.D. C.M.	1,800.00	1,800.00
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Gynaecology and Obstetrics.

Demonstrator.	L.C. Conn, M.D. C.M.	3,600.00	
	C.U. Holmes, M.B.	250.00	
	Dr. J.O. Baker, M.D. C.M.	250.00	4,100.00

Ophthalmology.

Drs. Wells & Jamieson	500.00	500.00
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Anaesthetist.

L. Faunt Jones B.A.	175.00	175.00
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Dentistry.

H.E. Bulvea, D.M.D.	2,100.00
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H.A. Gilchrist, D.D.S.	3,000.00
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W. Scott Hamilton	1,400.00
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Instructors,

F.S. Mercer, L.D.S. D.D.S.	375.00
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W.P. Craig, M.A. D.D.S.	750.00
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L.V. Janes, D.D.S.	100.00
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G.B. Thurston, L.D.S. D.D.S.	500.00
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R.W. Bradley, D.D.S.	300.00
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Jas McPherson, L.D.S. D.D.S.	600.00
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G.J. Hope, L.D.S. D.D.S.	300.00
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J.G. Roberts, L.D.S. D.D.S.	300.00
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A.B. Mason, D.D.S.	300.00
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H. MacCroftie, L.D.S. D.D.S.	100.00
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S.M. Smeddon, L.D.S. D.D.S.	50.00
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Stenographer,
Demonstrator,

Miss N. Maher (8½ mos.)	450.00
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J.W. Gerrie	50.00
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10,725.00

Mathematics.

Professor,

E.W. Sheldon, M.A. Ph.D.	
(9 mos)	3,750.00

Professor,

J.W. Campbell, M.A. Ph.D	3,750.00
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Instructors,

A.J. Cook, B.Sc. M.A.	2,500.00
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C.F. Morrison (3 mos.)	525.00
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G.B. Taylor, M.Sc.	400.00
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A.S. Galbraith, (7 mos.)	420.00
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11,145.00

History

Professor

A.L. Burt, M.A.	4,250.00
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Associate Professor

M.H. Long, B.A.	3,000.00
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C.S. Burgess, A.R. I.B.A.	3,000.00
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10,250.00

Economics

Professor,

D.A. MacGibbon, M.A. Ph.D.	4,500.00
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Associate Professor

A.F. McGoun, M.A. B.C.L.	
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(8 mos)	1,800.00
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J. Friend Day, M.A.	2,500.00
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J.M. Cassels (4 mos)	735.32
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9,535.32

ChemistryProfessor,
Associate Professor,

A.F. Lehmann, B.S.A. Ph.D.	4,500.00
O.J. Walker, M.A. Ph.D.	3,100.00
R.B. Sandin, M.Sc. Ph.D.	2,800.00
E.A. Boomer, B.Sc. Ph.D.	2,499.96
N.M. Stover, (4 mos)	700.00

Demonstrators,

James Thompson	1,080.00
W. Kutz (8 mos)	1,000.00
A.T. Baker (4 mos)	200.00
E. Beresford (7 mos)	350.00
L.V. Clark, (7 mos)	350.00
E.P. Irwin (4 mos)	200.00
W. Jewitt (4 mos)	133.32
A.H. MacLennan (4 mos)	99.98
G.W. Klingman (8 mos)	233.30
C.B. Brown (4 mos)	66.64
R.W. Hardwood (3 mos)	150.00
M.D. Kemp (3 mos)	99.99
A.W. Saddington (3 mos)	150.00
K. Walker (3 mos)	99.99
F. Gleave	18.20

Storekeeper,

L.C. Watling	1,320.00	19,151.38
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BotanyProfessor,
Lecturer,

F.L. Lewis, F.R.S.C.	4,500.00	
E.H. Moss, M.A. Ph.D.	2,700.00	
Miss S. Dowding, M.Sc.	1,800.00	
J.K. Campbell	1,140.00	10,140.00

ZoologyProfessor,
Demonstrator,
Laboratory Ass't.

Wm. Rowan, M.Sc.	3,200.00	
Miss W. Hughes, M.A.	1,800.00	
J.E. Thurston (5 mos)	400.00	
R. Lister (4 mos)	360.00	5,760.00

GeologyProfessor,
Associate Professor,
Laboratory Ass't.

J.A. Allan, M.Sc. Ph.D.	4,500.00	
P.S. Warren, A.R.C.S.	3,000.00	
L.S. Russell	315.00	
J.F. Caley	105.00	7,920.00

Mining Engineering.

Professor,

N.C. Pitcher, M.Sc.	4,500.00	
A.E. Cameron, M.Sc.	3,300.00	
T. Holmes	1,440.00	9,240.00

Civil Engineering.

Professor,

Laboratory Ass't

R.S.L. Wilson, B.Sc.	4,500.00	
H.R. Webb, M.Sc.	2,200.00	
A.F. McPherson (3 mos)	30.00	
N.D. McLean (3 mos)	30.00	6,760.00

Mechanical Engineering.

Professor,

C.A. Robb, B.Sc. M.S.	4,500.00	4,500.00
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4,500.00	A. T. Lehmann, B.S., A. Ph.D.	4,500.00	W. L. Lewis, W.H.S.D.
3,100.00	G. J. Walker, M.A., Ph.D.	3,700.00	E. H. Moss, M.A., Ph.D.
2,800.00	H. B. Serghin, M.Sc., Ph.D.	1,800.00	Miss S. Dowling, M.Sc.
2,499.99	L. A. Boomer, B.S., Ph.D.	1,140.00	J. K. Campbell
1,700.00	M. H. Stover, (4 mos)	3,200.00	Wm. Rowan, M.Sc.
1,080.00	James Thompson	1,800.00	Miss W. Hughes, M.A.
1,000.00	W. Katz (8 mos)	400.00	J. E. Thurston (5 mos)
800.00	A. T. Baker (4 mos)	360.00	R. Haster (4 mos)
350.00	E. Eastford (7 mos)		
340.00	L. V. Glahn, (7 mos)		
300.00	E. T. Irwin (4 mos)		
175.98	W. Jewitt (4 mos)		
99.98	A. H. Neumann (4 mos)		
335.00	G. W. Klingman (8 mos)		
88.84	G. E. Brown (4 mos)		
150.00	R. W. Herdwood (3 mos)		
99.99	M. D. Kemp (3 mos)		
150.00	A. W. Edgington (3 mos)		
99.99	K. Walker (3 mos)		
18.80	E. Glave		
1,330.00	L. C. Walling		
19,151.38			
4,500.00			
3,700.00			
1,800.00			
1,140.00			
10,140.00			
3,200.00			
1,800.00			
400.00			
360.00			
5,760.00			
4,500.00			
3,000.00			
375.00			
108.00			
7,920.00			
4,500.00			
3,300.00			
1,440.00			
9,240.00			
4,500.00			
3,200.00			
30.00			
30.00			
6,760.00			
4,500.00			
4,500.00			

<u>Applied Mechanics.</u>			
Professor,	I.F.Morrison, B.Sc.	4,000.00	4,000.00
<u>Physics.</u>			
Professor,	R.W.Boyle, M.A. B.Sc.	4,500.00	
Associate Professor,	S.Smith, M.A. B.Sc.	3,500.00	
	R.J.Lang, M.A. Ph.D.	3,000.00	
	L.H.Nichols, M.A.	2,500.00	
	G.B.Taylor, M.Sc.	1,500.00	
	H.B.Clow (6 mos)	750.00	
	W.A.Butcher ($3\frac{3}{4}$ mos)	405.00	
Laboratory Ass't.	D.J.Frohman ($3\frac{3}{4}$ mos)	60.00	
	C.W. Stephens ($3\frac{1}{3}$ mos)	54.00	
	R.S.Woodford ($2\frac{2}{3}$ mos)	66.00	
	R.S.Shepherd ($3\frac{1}{3}$ mos)	70.00	
	B.Bolton ($2\frac{1}{2}$ mos)	124.16	
	D.Sproule (7 mos)	116.00	
	C.H.Laverty	4.00	
	J.H.Armstrong (3 mos)	70.00	
	J.A.MacPherson (3 mos)	66.00	
	J.W.Porteous (3 mos)	58.00	
	D.A.Hansen (3 mos)	42.00	
Glassblower,	F.Gleave	1,046.80	17,731.96
<u>Electrical Engineering.</u>			
Associate Professor,	H.J.McLeod, M.Sc.	4,000.00	
Lecturer,	S.C.Morgan, B.Sc.	1,733.28	
	W.E.Cornish, ($3\frac{1}{2}$ mos)	700.00	
	J.H.Armstrong ($2\frac{1}{2}$ mos)	30.00	
	W.L.Cockle (1 mo.)	12.50	6,475.78
<u>Physical Education.</u>			
Lady Instructor		500.00	
Instructors and Trainers		1,167.50	1,667.50
<u>Pharmacy and Materia Medica.</u>			
Associate Professor,	F.A.Stewart Dunn, P.H.C.		
	M.P.	3,500.00	
Lecturer,	A.W.Mathews, B.Sc.	2,400.00	
Assistants,	W.D.Goldberg (4 mos)	80.00	
	D.M.Ellingson (3 mos)	60.00	6,040.00
<u>Night Watchman</u>	J.McKenzie	1,140.00	
	D.G.Revell	42.00	1,182.00
<u>Stenographer to Staff.</u>	Miss Y.Richard	1,059.68	1,059.68
<u>Switchboard Operator.</u>	Miss M. Cudby	900.00	
	Miss E. Norquay	60.00	960.00
<u>Transfer Driver.</u>	H.Dean	1,440.00	
	K.Duncan	60.00	1,500.00

Law.

Dean

Lecturers,

J.A.Weir, B.A. L.L.B.	4,000.00	
S.Nielson, B.A. L.L.B.	2,400.00	
Geo.H.Steer, M.A.	1,200.00	
A.B.Harvey, B.A. B.C.L.		
(4 mos)	200.00	
W.Dixon Craig, B.A. L.L.B.	<u>500.00</u>	8,300.00

W. Nixon Craig, B.A. L.D.B.	800.00
(4 nos)	800.00
A.B. Harvey, B.A. B.C.L.	1,200.00
Geo. H. Speer, M.A.	2,400.00
S. Wilson, D.A. L.D.B.	4,000.00
J.A. Weir, B.A. L.D.B.	8,800.00

W. Nixon Craig, B.A. L.D.B.	800.00
(4 nos)	800.00
A.B. Harvey, B.A. B.C.L.	1,200.00
Geo. H. Speer, M.A.	2,400.00
S. Wilson, D.A. L.D.B.	4,000.00
J.A. Weir, B.A. L.D.B.	8,800.00

W. Nixon Craig, B.A. L.D.B.	800.00
(4 nos)	800.00
A.B. Harvey, B.A. B.C.L.	1,200.00
Geo. H. Speer, M.A.	2,400.00
S. Wilson, D.A. L.D.B.	4,000.00
J.A. Weir, B.A. L.D.B.	8,800.00

W. Nixon Craig, B.A. L.D.B.	800.00
(4 nos)	800.00
A.B. Harvey, B.A. B.C.L.	1,200.00
Geo. H. Speer, M.A.	2,400.00
S. Wilson, D.A. L.D.B.	4,000.00
J.A. Weir, B.A. L.D.B.	8,800.00

W. Nixon Craig, B.A. L.D.B.	800.00
(4 nos)	800.00
A.B. Harvey, B.A. B.C.L.	1,200.00
Geo. H. Speer, M.A.	2,400.00
S. Wilson, D.A. L.D.B.	4,000.00
J.A. Weir, B.A. L.D.B.	8,800.00

W. Nixon Craig, B.A. L.D.B.	800.00
(4 nos)	800.00
A.B. Harvey, B.A. B.C.L.	1,200.00
Geo. H. Speer, M.A.	2,400.00
S. Wilson, D.A. L.D.B.	4,000.00
J.A. Weir, B.A. L.D.B.	8,800.00

W. Nixon Craig, B.A. L.D.B.	800.00
(4 nos)	800.00
A.B. Harvey, B.A. B.C.L.	1,200.00
Geo. H. Speer, M.A.	2,400.00
S. Wilson, D.A. L.D.B.	4,000.00
J.A. Weir, B.A. L.D.B.	8,800.00

S U M M A R YAGRICULTURE.GENERAL.Salaries:

Dean E. A. Howes, B.S.A.

4,500.00
4,500.00Expenditure:

Auto and Travelling

584.25

Stationery and Printing

55.65

Postage, Telephone and Telegrams

52.82

Sundries

1.00

5,293.72

FIELD HUSBANDRYSalaries & Wages:

Professor

R. Newton, B.Sa.

4,500.00

Professor

J.R. Fryer, M.A.

3,200.00

Asst. Professor

G.F.H. Buckley, B.Sa.

1,800.00

Stenographer

Dr. A.W. Henry (3 mos)

750.00

Wages

L.M. Bedford

1,080.00

12,558.58

23,682.58

Expenditure:

Traveling and Auto

559.88

Supplies and Repairs

2,485.24

Printing and Stationery

284.87

Postage, Telephone and Telegrams

257.87

Photo

69.77

Light and Water

108.68

Equipment and Replacements

837.11

Fodder

249.60

Pathology

585.70

Sundries

656.106,194.82

29,863.40

By Revenue

2,498.89

27,364.51

ANIMAL HUSBANDRYSalaries & Wages

Professor	J.P. Sackville, B.Sc.	4,500.00
Asst. Professor	R.D. Sinclair, B. SA.	3,099.96
Asst. Professor	J.E. Bowstead, M.Sc.	3,099.96
Manager,	W.J. Thompson	1,800.00
Stenographer,	H. Wallace	1,065.00
	Miss G. Jackson	120.29
	Miss L. Brown	72.32
	Miss E. Findlay	112.43

Wages	19,943.36	33,813.52
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Expenditure:

Seed	382.88	
Concentrates, Barley, Oats.	16,998.74	
Hay and Straw	6,907.53	
Tractor Account	253.46	
Freight Show Cattle	27.45	
Office Supplies	486.60	
Class Room Supplies	129.65	
Experimental Supplies	21.80	
Medical Work, Drugs	434.13	
Stable Supplies	1,451.13	
Light, Power & Water	610.75	
Auto and Travelling	1,398.98	
Repairs	839.21	
Livestock Registration	276.50	
Rent	340.00	
Miscellaneous	1,702.80	32,261.61

66,074.93

By Revenue

23,251.73
<u>42,843.20</u>

SOILSSalaries & Wages:

Professor	F.A. Wyatt	4,500.00
Asst. Professor	J.D. Newton	3,100.00
Assistant,	A.S. Ward	1,920.00
	R.H. Bedford	1,085.00
Extra Assistants		1,589.12

11,994.12

Expenditure:

Travel	321.97	
Supplies	651.46	
Repairs	85.52	
Printing & Stationery	40.42	
Sundries	185.44	1,284.81
		<u>13,278.93</u>

Be Revenue

714.74
<u>12,564.19</u>

AGRICULTURAL ENGINEERINGSalaries & Wages:

Professor	J. McGregor Smith, B.Sc.	4,500.00		
Assistant,	J.R. McFall	133.25		
Stenographers,	Miss G. Jackson	180.62		
	Miss E. Findlay	40.92		
	Mrs. H. Wallace	15.00		
Wages,		<u>75.20</u>	4,944.99	

Expenditure:

Supplies	255.06			
Auto and Travel	233.80			
Postage & Stationery, Etc.	125.99			
Repairs	45.74			
Sundries	<u>10.50</u>	671.09	5,616.09	

HORTICULTURESalaries & Wages:

Lecturer,	G. Harcourt, B.S.A.	3,000.00		
Wages,		<u>2,869.67</u>	5,869.67	

Expenditure:

Supplies & Repairs	472.65			
Seeds	22.30			
Sundries	<u>16.96</u>	511.91		
		<u>6,381.58</u>		

By Revenue		<u>466.50</u>	5,915.08	
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DAIRYING

Supplies	1,426.89			
Light & Telephone	36.00			
Ice	62.35			
Repairs	<u>67.28</u>	1,592.52		
By Revenue		<u>946.10</u>	646.42	

ENTOMOLOGY

Professor,	E.H. Strickland	4,000.00		
Supplies,		221.42		
Travelling Expenses,		113.30		
Sundries		<u>20.40</u>	4,355.12	
By Revenue		<u>12.00</u>	4,343.12	

PHYSICAL EDUCATION

Athletic Grounds	311.24			
Gymnasium	159.20			
Tennis	<u>317.05</u>	787.49	787.49	

AGRICULTURAL ENGINEERING

Wages	75.20	4,944.92
Mrs. H. Wallace	15.00	
Miss S. Windley	40.92	
Stenographers, Miss G. Jackson	180.62	
Assistant, J. R. McNeil	133.25	
Professor J. McGregor Smith, B.Sc.	4,800.00	
Salaries & Wages:		

Supplies	235.06	
Auto and Travel	233.80	
Postage & Stationery, Etc.	125.92	
Repairs	45.74	
Sundries	10.50	
Expenditure:		
	671.02	5,616.02

HORTICULTURE

Wages	2,889.67	5,889.67
Lecturer, G. Harcourt, B.Sc.	2,000.00	
Salaries & Wages:		

Supplies & Repairs	472.65	
Seeds	22.30	
Sundries	16.96	
Expenditure:		
	511.91	
	6,391.58	
By Revenue	466.50	5,915.08

DAIRYING

Supplies	1,486.82	
Light & Telephone	36.00	
Ice	62.35	
Repairs	67.28	
Expenditure:		
	1,652.45	

By Revenue	946.10	846.42
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ENTOMOLOGY

Supplies	281.42	
Travelling Expenses	112.30	
Sundries	20.40	
Expenditure:		
	4,355.12	

By Revenue	12.00	4,343.12
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PHYSICAL EDUCATION

Athletic Grounds	311.24	
Gymnasium	189.20	
Tennis	317.05	
Expenditure:		
	787.49	
By Revenue	787.49	

EXTENSION DEPARTMENTGENERAL

Director,	A.E.Ottewell, M.A.	3,750.00	
Asst. Director,	E.A. Corbett, M.A.	2,000.00	
Lecturer,	J.W. McAllister, B.A.		
	(9 mos)	1,800.00	
Stenographer,	Miss A Nelson	1,380.00	
Assistants,	W. Careless (5 mos)	225.00	
	F. Tooke (7 mos)	239.16	
	K. McKenzie (3 1/3 mos)	331.18	
	Miss D. Emery (4 1/2 mos)	292.50	10,017.84
Travel & Auto		912.52	
Printing & Stationery		316.45	
Sundries		703.73	1,932.70
			<u>11,950.54</u>
Be Revenue			<u>126.00</u>
			11,824.54

TRAVELLING LIBRARIES.

Librarian, Miss J.F. Montgomery, B.A.	2,100.00	
Asst. Librarian, Miss E.M. Chiverton	1,080.00	
Stenographer, Miss M.R. Gentleman	178.06	
	Mrs. L.A. Brown	800.00
Extra Assistance	135.00	4,293.06
Periodicals, Replacements,	2,685.33	
Printing & Stationery	185.15	
Postage	72.00	
Supplies	71.39	
Sundries	445.55	3,459.42
		<u>7,752.48</u>
By Revenue		<u>347.35</u>
		7,405.13

S U M M A R YVISUAL INSTRUCTION

December 31, 1927.

Salaries & Wages

Director	H. P. Brown	\$2,700.00	
Clerks & Stenographers	Miss H. Duncan	900.00	
	Miss D. Adamson	780.00	
	Mrs. W. Rowland (2 mos.)	200.00	
	Miss E. Williams	720.00	
	Miss Grace Kyle (8½ mos.)	416.66	
	Miss M. Walker (3 2/3 mos.)	181.66	
	Miss J. Connacher (1½ mos.)	150.00	
	Miss M. Legard (6 mos.)	150.00	
	Miss G. Simpson (2 mos.)	20.00	
	A. F. Dyell (3 mos.)	105.00	
	W. Brennan (9 mos.)	360.00	6,683.32

Trading	4,142.23
Photo	3,139.51
Slides	902.28
Films	143.10
Replacements	94.68
Postage	136.05
Sundries	216.57
Radio	6,503.88

Inventory January 1927	15,278.30
	25,831.44

Less Inventory December 31, 1927	41,109.74
	31,881.60 9,228.14

15,911.46

Less Revenue	12,212.91	3,698.55
--------------	-----------	----------

S U M M A R Y

General	11,824.34
Travelling Libraries	7,405.13
Visual Instruction	3,698.55
	22,928.22

SUMMARY

VISUAL INSTRUCTION

December 31, 1937

Visual A. W. W. W.

\$2,700.00	H. F. Brown
900.00	Miss H. Duncan
780.00	Miss D. Adamson
300.00	Mrs. W. Rowland (2 mos.)
720.00	Miss E. Williams
418.88	Miss Grace Kyle (2 1/2 mos.)
181.66	Miss K. Walker (3 2/3 mos.)
150.00	Miss J. Conacher (1 1/2 mos.)
150.00	Miss E. Legard (6 mos.)
20.00	Miss G. Simpson (2 mos.)
108.00	A. F. Pyell (2 mos.)
560.00	W. Brennan (2 mos.)
6,683.33	

4,148.23
3,139.21
908.28
143.10
94.68
138.05
216.57
6,603.28

15,278.20
22,821.44

Inventory January 1937

41,108.74
31,831.80 9,276.94

Inventory December 31, 1937

15,911.46

18,212.91 3,698.25

Revenue

SUMMARY

11,824.34
7,408.13
3,698.25
22,928.22

Visual Instruction
Visual A. W. W. W.

S U M M A R Y

December 31, 1927.

RESIDENCESATHABASCA, ASSINIBOIA and PEMBINA HALLS.EXP.REV.

Superintendent Miss R. Eager	975.00	975.00	
Wages			
Maids	5,548.53		
Janitors	7,319.00		
Night Watchman	180.00	13,047.53	14,022.53

Repairs		1,429.41	
Supplies		2,013.14	
Light		1,171.33	
Water		1,779.78	
Phones		482.10	
Fuel		178.85	
Laundry		1,293.60	
Sundries		19.75	
			<u>8,367.96</u>

22,390.49

By Revenue

43,275.66 20,885.17FACULTY HOUSES

Dr. Tory	224.17	
H. J. MacLeod	44.42	
W. A. R. Kerr	114.43	
A. F. L. Lehmann	79.33	
A. West	42.94	
J. A. Allan	56.75	
E. W. Sheldon	98.79	
E. A. Howes	143.19	
C. S. Burgess	254.08	
C. A. Robb	107.30	
S. Smith	297.18	
R. F. Shaner	302.54	1,765.12

By Revenue

6,075.00 4,309.88

25,195.05

SUMMARY

December 31, 1927.

RESIDENCES

AGCA, ASSINIBOIA and FLEMING HALLS.

REV.

EXP.

Independent Miss R. Hager 978.00
Miss R. Hager 8,848.55
Landlord 7,319.00
Night Watchman 180.00
15,045.55 14,025.55

Miss R. Hager 1,429.41
Miss R. Hager 2,013.14
Miss R. Hager 1,171.33
Miss R. Hager 1,179.78
Miss R. Hager 482.10
A. B. Hager 178.85
1,293.60 1,293.60
8,367.96 19.78

22,390.49

20,885.14

43,275.64

By Revenue

BY HOUSES

224.17
44.42
114.42
79.32
48.94
58.75
98.79
143.19
324.08
107.30
297.18
302.84
1,766.12

6,075.00 4,309.88

25,195.06

By Revenue

Valley Station
and Inspection

S U M M A R Y

December 31, 1927.

DINING ROOM

		<u>Exp.</u>	<u>Rev.</u>
Superintendent	Miss R. Eager	\$ 975.00	
Wages	Chef	1,980.00	
	Maids	4,725.88	
	Assistants	<u>4,789.81</u>	12,470.69
Light, Heat and Power		984.70	
Provisions		48,101.05	
Laundry		1,536.80	
Telephones		44.30	
Repairs		915.60	
Utensils and Supplies		2,031.78	
Sundries		<u>110.82</u>	53,725.05
		66,195.74	
Inventory January 1, 1927		<u>884.91</u>	
		67,080.65	
Less Inventory December 31, 1927		<u>983.01</u>	
		66,097.64	
By Revenue		<u>71,470.90</u>	5,373.26

POWER PLANT

Wages	20,649.35	
Coal	23,690.08	
Supplies	371.18	
Oil	703.07	
Power and Light	1,425.95	
Telephones and Telegrams	117.25	
Repairs	1,557.79	
Sundries	<u>1,741.64</u>	
	50,256.31	
By Inventory December 31, 1927	<u>2,483.20</u>	
	47,773.11	
By Revenue	<u>12,306.82</u>	
	35,466.29	

BUDGET

December 31, 1937

DINING ROOM

Rev.

Supervisors	2,975.00
Chief Clerk	1,680.00
Waiters	4,725.00
Assistants	4,780.00
	12,160.00
Light, Heat and Power	384.70
Telephone	48,101.00
Electricity	1,536.80
Gas	44.30
Repairs	918.00
Supplies	2,031.70
	110.82
	53,725.00

66,192.74

884.31

67,080.00

983.01

68,067.01

2,373.26

70,440.27

Less Inventory December 31, 1937

POWER PLANT

Supervisors	30,649.38
Chief Clerk	23,690.00
Waiters	871.18
Assistants	705.97
	1,428.25
Light, Heat and Power	117.25
Telephone	1,527.70
Electricity	1,741.04

80,225.31

8,423.20

47,773.11

12,308.82

35,464.29

By Inventory December 31, 1937

By Revenue

Inventory January 1, 1937

By Revenue

Water and Light
Telephone and Telegrams

Supplies
Repairs
Gas
Electricity
Telephone
Light, Heat and Power

Supervisors
Chief Clerk
Waiters
Assistants
Light, Heat and Power
Telephone
Electricity
Gas
Repairs
Supplies

S U M M A R Y

December 31, 1927

GAS PLANT

Gas	524.84	Exp. 524.84	Rev.
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SPECIAL CLINICAL SERVICES

Lecturer	Dr. Fulton Gillespie	750.00	
	Mrs. T. Goodie	<u>133.00</u>	883.00
	Rent	1,240.00	
	Water	75.73	
	Gas, Light, Power	494.27	
	Supplies	47.33	
	Repairs & Sundries	<u>31.43</u>	<u>1,888.76</u>
			2,771.76

S U M M A R Y

December 31, 1927.

LABORATORIES

	<u>Expenditure</u>	<u>Revenue</u>
Anatomy	1,618.16	
Biochemistry	1,916.57	
Botany	1,737.33	
Chemistry	3,040.52	
Civil Engineering	897.19	
Classics	26.40	
Drawing	29.30	
Electrical Engineering	369.32	
Geology	737.94	
History	.50	
Household Economics	726.45	
Mathematics	11.22	
Mechanical Engineering	24.17	
Mining Engineering	672.08	
Moderne	10.20	
Physics	4,697.43	
Physiology	2,693.46	
Philosophy	221.73	
Political Economy	23.15	
Zoology	358.54	
	<u>\$19,811.66</u>	
By Revenue	<u>808.75</u>	\$19,002.91

SUMMARY

December 31, 1927.

LABORATORIES

Expenditure Revenue

1,818.18	Anatomy
1,916.87	Biochemistry
1,787.33	Botany
3,048.82	Chemistry
887.19	Civil Engineering
28.40	Classics
29.30	Drawing
388.32	Electrical Engineering
737.94	Geology
.80	History
728.48	Household Economics
11.82	Mathematics
24.17	Mechanical Engineering
678.08	Mining Engineering
10.20	Moderns
4,898.43	Physics
2,893.48	Physiology
221.73	Philosophy
23.18	Political Economy
358.54	Zoology
<u>\$19,811.66</u>	
808.75	By Revenue
<u>\$19,002.91</u>	

S U M M A R Y

December 31st, 1927.

TRAVELLING EXPENSES

Board of Governors,	118.15	
President,	122.30	
Senate,	78.80	
General,	<u>1,198.05</u>	1,517.30

INSURANCE

Unexpired Dec. 31st, 1926	9,394.90	
Premiums paid,	3,830.57	
	<u>13,225.47</u>	
Less unexpired,	<u>6,529.70</u>	6,695.77

BANK INTEREST AND DISCOUNT

Bank Interest,	10,820.89	
Less Revenue,	<u>4,223.13</u>	6,597.76

UPKEEP OF MOTORS

Sundries,	1,103.04	1,103.04
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S U M M A R Y

REVENUE

December 31st, 1927.

TRAVELLING EXPENSES

Board of Governors, 118.15
President, 122.30
Senate, 78.80
General, 1,198.02

1,217.20

INSURANCE

Unexpired Dec. 31st, 1926 9,224.90
Premiums paid, 2,820.27
12,045.17
Less unexpired, 6,229.70

6,229.70

BANK INTEREST AND DISCOUNT

Back interest, 10,220.22
Less Revenue, 2,222.12

8,227.70

REVENUE OF MOTORS

1,108.04

1,108.04

Subsides,

S U M M A R Y

December 31, 1927

CONTINGENCIES

	<u>Expenditure</u>	<u>Rev</u>
Postage	1,871.56	
Telegrams	147.95	
Telephones	1,922.82	
Printing & Stationery	3,498.26	
Summer School Salaries	3,800.00	
Typewriters and Adding Machines	594.65	
Sundries	<u>2,226.57</u>	15,061.81

BOOKSTORE AND POST OFFICESalaries

Manager, C.W. Hosford	1,500.00	
Asst. Manager, A. Paterson	900.00	
Assist. Miss A. Herrold (9 mos)	522.00	
Miss E. Findlay ($\frac{1}{2}$ mo)	25.00	
Miss G. Davies (3 mos)	<u>155.00</u>	3,102.00

Merchandise	21,887.60	
Postage	22.32	
Sundries	<u>1,877.11</u>	
	23,787.03	
	<u>26,889.03</u>	

Inventory January 1, 1927	15,567.06	
	<u>42,456.09</u>	
Less Inventory December 31, 1927	18,834.00	
	<u>23,622.09</u>	

By Revenue	<u>27,479.70</u>	3,857.81
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S U M M A R Y

December 31, 1927.

	<u>LIBRARY</u>	<u>Expenditure</u>	<u>Revenue</u>
Periodicals	1,920.83		
Postage	37.00		
Sundries	29.70	\$1,987.53	

INDUSTRIAL LABORATORY

Provincial Analyst, J. A. Kelso, M.Sc.	3,750.00		
Laboratory Assistant, H. C. Tomlinson, B.Sc.	1,550.00	5,300.00	
Supplies	170.99		
Repairs	9.01		
Ice	45.55		
Printing & Stationery	39.50		
Postage & Telephone	26.65		
Sundries	36.30	328.00	
		5,628.00	
By Revenue		3,335.45	2,292.55

PROVINCIAL LABORATORY

Director, A. C. Rankin, C.M.G., M.D.C.M., D.P.H., C.R.C.P., M.R.C.S.	4,500.00		
Prov. Sereologist, J. J. Ower, B.A., M.D., C.M.	4,500.00		
Prov. Bacteriologist, R. M. Shaw, B.A., M.D., C.M., D.P.H.	3,900.00		
Assistant, H. Vange, M.D., C.M.	3,199.93		
Assistants:			
Miss A. Hewton	1,500.00		
A. McKay	1,260.00		
Miss E. Tyner	1,170.00		
Miss G. Simpson	1,170.00		
Miss D. Toop	870.00		
Miss M. Long	870.00		
Miss G. McFarlane	810.00		
Fred Howells	750.00		
D. B. Roxburgh (10 mos.)	665.00		
Miss J. Edmonds (9 mos.)	510.00		
Dr. P. Sprague (6 2/3 mos)	500.00		
Miss M. Race (3 mos.)	214.67		
Extra Assistance	225.00		
		26,614.60	

УДК 62-50

December 31, 1937.

INDUSTRIAL LABORATORY

Revenue	Expenses	Balance
5,335.45	38.30	5,297.15
5,297.15	38.30	5,258.85
	38.30	5,220.55
	38.30	5,182.25
	38.30	5,143.95
	38.30	5,105.65
	38.30	5,067.35
	38.30	5,029.05
	38.30	4,990.75
	38.30	4,952.45
	38.30	4,914.15
	38.30	4,875.85
	38.30	4,837.55
	38.30	4,799.25
	38.30	4,760.95
	38.30	4,722.65
	38.30	4,684.35
	38.30	4,646.05
	38.30	4,607.75
	38.30	4,569.45
	38.30	4,531.15
	38.30	4,492.85
	38.30	4,454.55
	38.30	4,416.25
	38.30	4,377.95
	38.30	4,339.65
	38.30	4,301.35
	38.30	4,263.05
	38.30	4,224.75
	38.30	4,186.45
	38.30	4,148.15
	38.30	4,109.85
	38.30	4,071.55
	38.30	4,033.25
	38.30	3,994.95
	38.30	3,956.65
	38.30	3,918.35
	38.30	3,880.05
	38.30	3,841.75
	38.30	3,803.45
	38.30	3,765.15
	38.30	3,726.85
	38.30	3,688.55
	38.30	3,650.25
	38.30	3,611.95
	38.30	3,573.65
	38.30	3,535.35
	38.30	3,497.05
	38.30	3,458.75
	38.30	3,420.45
	38.30	3,382.15
	38.30	3,343.85
	38.30	3,305.55
	38.30	3,267.25
	38.30	3,228.95
	38.30	3,190.65
	38.30	3,152.35
	38.30	3,114.05
	38.30	3,075.75
	38.30	3,037.45
	38.30	2,999.15
	38.30	2,960.85
	38.30	2,922.55
	38.30	2,884.25
	38.30	2,845.95
	38.30	2,807.65
	38.30	2,769.35
	38.30	2,731.05
	38.30	2,692.75
	38.30	2,654.45
	38.30	2,616.15
	38.30	2,577.85
	38.30	2,539.55
	38.30	2,501.25
	38.30	2,462.95
	38.30	2,424.65
	38.30	2,386.35
	38.30	2,348.05
	38.30	2,309.75
	38.30	2,271.45
	38.30	2,233.15
	38.30	2,194.85
	38.30	2,156.55
	38.30	2,118.25
	38.30	2,079.95
	38.30	2,041.65
	38.30	2,003.35
	38.30	1,965.05
	38.30	1,926.75
	38.30	1,888.45
	38.30	1,850.15
	38.30	1,811.85
	38.30	1,773.55
	38.30	1,735.25
	38.30	1,696.95
	38.30	1,658.65
	38.30	1,620.35
	38.30	1,582.05
	38.30	1,543.75
	38.30	1,505.45
	38.30	1,467.15
	38.30	1,428.85
	38.30	1,390.55
	38.30	1,352.25
	38.30	1,313.95
	38.30	1,275.65
	38.30	1,237.35
	38.30	1,199.05
	38.30	1,160.75

PROVING THE LABORATORY

\$25.00	
\$25.00	(3 mos.) M. Hase
\$25.00	(6 mos.) F. Sprague
\$50.00	(2 mos.) J. Edwards
\$50.00	(3 mos.) Roxburgh
\$75.00	Hewell
\$80.00	G. Matthews
\$80.00	M. Long
\$80.00	D. Toop
\$170.00	G. Simpson
\$170.00	E. Turner
\$1,200.00	Kay
\$1,200.00	A. Newton
\$1,200.00	stant;
\$1,200.00	C.M.
\$1,200.00	stant; H. Vange,
\$1,200.00	D.P.H.
\$1,200.00	Graw, B.A., M.D.,
\$1,200.00	v. Bacteriologist,
\$1,200.00	Ower, B.A., M.D.,
\$1,200.00	v. Bacteriologist,
\$1,200.00	G.E., M.R.C.S.
\$1,200.00	G.E., M.D.C.M., D.P.H.
\$1,200.00	ector, A.G. Rankin,

S U M M A R YPROVINCIAL LABORATORY

Carried Forward.		\$26,614.60
Supplies	4,201.59	
Auto	669.27	
Printing & Stationery	586.95	
Laundry	457.95	
Postage	398.00	
Ice	198.40	
Repairs	195.98	
Phones & Telegraph	129.64	
Sundries	<u>165.29</u>	<u>\$7,003.07</u>
		\$33,617.67

SUMMARY

PROVINCIAL LABORATORY

Carried Forward. \$26,614.60

4,201.52

669.27

388.96

437.95

395.00

198.40

198.98

129.64

125.22

\$7,003.07

\$25,617.57

125.22

4,201.52

669.27

PROVINCIAL LABORATORY

4,201.52

4,201.52

4,201.52

4,201.52

4,201.52

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4,201.52

4,201.52

4,201.52

70,000.00

S U M M A R Y.

December 31, 1927.

TEACHER'S COURSES.

		Expenditure	Revenue
Director,	D. S. McKenzie	\$5,300.00	
Assistant,	Miss M.H. Gold, M.A.	200.00	
Stenographer,	Miss M.B. Giffen, M.A.	<u>1,080.00</u>	\$4,580.00

WORKS DEPARTMENT.

Electrician, M.H. Millar	2,400.00	
Wages,	<u>12,792.94</u>	15,192.94
Merchandise	13,077.02	
Power & Light	56.16	
Telephones	87.65	
Sundries	<u>287.52</u>	15,508.35
		28,701.29
Inventory, January 1, 1927		<u>10,853.17</u>
		39,554.46
Less Inventory, December 31, 1927		<u>10,630.32</u>
		28,924.14
by Revenue		<u>31,478.67</u>

\$2,554.53

REVENUE

SUMMARY

December 31, 1937

TEACHER'S COUPONS	
Expansive	Revenue
Miss M.B. Gillen, M.A.	\$1,080.00
Miss M.H. Gold, M.A.	800.00
D. S. McKenraie	\$3,200.00
Expansive	Revenue
	\$4,580.00

WORKS DEPARTMENT

John M.H. Miller	\$2,400.00
	\$18,792.94
	\$18,077.08
	58.16
	87.85
	\$18,808.33

\$8,701.83

\$10,853.17

\$8,584.40

\$10,630.38

\$8,924.14

\$1,478.67

\$8,584.52

S U M M A R Y

December 31, 1927.

BUILDING REPAIRS

		<u>Expenditure</u>	<u>Revenue</u>
Salaries & Wages			
J. A. Langlands	3,000.00		
C. S. Burgess	1,000.00		
Wages	<u>4,017.31</u>	8,017.31	
Arts Building	2,627.35		
Double Lab. & Power Plant	369.05		
North Engineering Building	536.24		
Pembina Residence	1,293.56		
Athabasca Residence	3,134.03		
Assiniboia Residence	1,132.74		
South Engineering Building	245.43		
Medical & Chemistry Building	988.29		
Grounds	2,409.53		
Sundries	<u>2.39</u>	<u>12,738.61</u>	
		<u>20,755.92</u>	
By Revenue		<u>2,882.94</u>	\$17,872.98

MAIN TEACHING BUILDINGS

Maintenance			
Wages		11,762.74	
Supplies	2,541.77		
Laundry	81.00		
Light	2,545.00		
Water	2,838.79		
Sundries	<u>107.50</u>	<u>8,114.06</u>	
		<u>19,876.80</u>	
By Revenue		<u>217.77</u>	19,659.03

PRINTING AND ADVERTISING

Press Bulletins	1,396.00		
Calendars & Pamphlets	1,589.65		
Scientific Publications	1,433.90		
Radio Equipment	70.06		
Postage	15.00		
Sundries	<u>267.05</u>		
	<u>4,771.66</u>		
By Revenue	<u>3.75</u>		4,767.91

SUMMARY

December 31, 1937.

BUILDING REPAIRS

Expenditure Revenue

3,000.00	8,017.31
1,000.00	
4,017.31	
2,627.35	
369.05	
536.24	
1,293.56	
3,134.03	
1,132.74	
245.43	
988.23	
2,409.55	
2.39	
12,738.61	
20,755.92	

2,382.94 \$17,872.98

MAIN TEACHING BUILDINGS

11,762.74	
2,541.77	
81.00	
2,545.00	
2,838.73	
107.50	
8,114.06	
19,876.80	
217.77	

19,659.03

PRINTING AND ADVERTISING

1,296.00
1,589.65
1,433.90
70.06
15.00
267.03
4,771.63
3.75

4,767.91

Larries & Weges
L. A. Langlands
S. S. Burgess
Lages

ts Building
ble Lab. & Power Plant
th Engineering Building
Apina Residence
apabas Residence
ainibots Residence
th Engineering Building
ical & Chemistry Building
ounds
aries

Revenue
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ppplies
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ght
ster
undries

Revenue

as Bulletin
enders & Pamphlets
entific Publications
io Equipment
stage
aries

Revenue

S U M M A R Y

December 31, 1927.

PRINTING DEPARTMENT

			Expenditure	Revenue
<u>Salaries & Wages:</u>				
Manager, Jas. Bill	(3 mos.)	600.00		
Wages		<u>17,818.33</u>	\$18,418.33	
Merchandise		10,094.80		
Plant		197.44		
Expense		560.63		
Power		<u>109.20</u>	<u>10,962.07</u>	
			29,380.40	
To Inventory January 1, 1927			<u>4,454.99</u>	
			33,835.39	
Less Inventory December 31, 1927			<u>4,125.84</u>	
			29,709.45	
By Revenue			<u>37,543.31</u>	\$7,833.86

S U M M A R Y

December 31, 1927.

SCHOLARSHIPS AND MEDALS

Wells Prize	\$50.00	
Association of Professional Engineers	150.00	
Moshier Memorial	20.00	
Lloyd Hartnoll Bishop Memorial	200.00	
Stutchbury Research	25.00	
College of Physicians & Surgeons	250.00	
Alberta Pharmaceutical	90.00	
Hon. Chief Justice Harvey	25.00	
Hon. A. C. Rutherford	50.00	
Women's University Scholarship	75.00	
La Verendrye Club	25.00	
Sundries	28.00	\$988.00

By Revenue.

Wells Prize	50.00	
Association of Professional Engineers	150.00	
Moshier Memorial	20.00	
Lloyd Hartnoll Bishop Memorial	200.00	
Stutchbury Research	25.00	
College of Physicians & Surgeons	250.00	
Alberta Pharmaceutical	90.00	
Hon. Chief Justice Harvey	25.00	
Hon. A. C. Rutherford	50.00	
Women's University Scholarship	75.00	
La Verendrye Club	25.00	
Sundries 1926	50.00	1,010.00

S U M M A R Y

December 31, 1937.

SCHOLARSHIPS AND MEDALS

Wells Prize	\$50.00
Association of Professional Engineers	150.00
Mosher Memorial	20.00
Lloyd Marshall Bishop Memorial	200.00
Stutshbury Research	25.00
College of Physicians & Surgeons	250.00
Alberta Pharmaceutical	20.00
Hon. Chief Justice Harvey	25.00
Hon. A. C. Rutherford	20.00
Women's University Scholarship	75.00
La Verendrye Club	25.00
Sundries	28.00
	<u>\$988.00</u>

By Revenue.

Wells Prize	\$50.00
Association of Professional Engineers	150.00
Mosher Memorial	20.00
Lloyd Marshall Bishop Memorial	200.00
Stutshbury Research	25.00
College of Physicians & Surgeons	250.00
Alberta Pharmaceutical	20.00
Hon. Chief Justice Harvey	25.00
Hon. A. C. Rutherford	20.00
Women's University Scholarship	75.00
La Verendrye Club	25.00
Sundries 1936	50.00
	<u>1,010.00</u>

SCHEDULE OF INSURANCE

December 31, 1927.

Policy No.	Company	Amount of Insurance
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EXPIRES MARCH 1st, 1928.

206339	Hartford Fire	\$5,000.00
119782	Alliance of Philad.	6,000.00
13285000	Liverpool, London & G.	8,000.00
5635618	Northern Assurance	5,000.00
0200277	North British & Mar.	10,000.00
12424	New Hampshire	10,000.00
70451	United Assurance	8,000.00
2154	Security Assurance	8,330.00
48364	St. Paul Fire & Marine	9,250.00
205718	London, Guarantee & Ac.	10,000.00
24088	Newark Fire	10,000.00
32721	St. Paul Fire & Mar.	3,000.00
2240271	Law, Union & Rock	10,000.00
710536	Acadia Fire Insurance	5,070.00
600414	Niagara Fire	10,000.00
89771	Queen Insurance	10,000.00
30181	British Underwriters	10,000.00
384121	Canadian Fire	15,000.00
175231	Royal Insurance	5,000.00
175092	Royal Insurance	6,000.00
74331	Equitable Fire & Marine	10,000.00
505020	Canadian Underwriters	7,500.00
156	Merchants Fire Assce.	6,500.00
100102	Provincial Insurance	5,000.00
100101	Provincial Insurance	10,000.00
30047	Northwestern National	7,000.00
30045	Northwestern National	4,000.00
30046	Northwestern National	7,000.00
7009	St. Paul Fire & Mar.	25,750.00
8984486	Atlas Assurance	20,350.00
93616	British Empire Under.	55,000.00
4018	Springfield Fire & M.	55,000.00
5912	Mercantile Fire & Mar.	6,000.00
15511	National Union Fire	10,000.00
595086	Caledonian Insurance	6,000.00
8800	Reliance Insurance	10,000.00
7136	St. Paul Fire	10,000.00

(Note: St. Paul #7136 expires on October 10th, 1928 covering Pipe Organ, Convocation Hall.)

EXPIRES MARCH 1st, 1929.

96710	British America	75,000.00
692063	Eagle, Star & Br. Dom.	10,000.00

SCHEDULE OF INSURANCE

December 31, 1937.

Policy No. _____ Company _____ Amount of Insurance _____

EXPIRES MARCH 1st, 1938.

206339	Hartford Fire	\$5,000.00
119782	Alliance of Philad.	5,000.00
12285000	Liverpool, London & G. W.	2,000.00
2232618	Northern Assurance	2,000.00
0200277	North British & Mar.	10,000.00
12224	New Hampshire	10,000.00
70421	United Assurance	2,000.00
2124	Security Assurance	2,250.00
42324	St. Paul Fire & Marine	2,250.00
202718	London, Guarantee & Ac.	10,000.00
24028	Keweenaw Fire	10,000.00
22721	St. Paul Fire & Mar.	2,000.00
2240271	Law, Union & Rock	10,000.00
710232	Acadia Fire Insurance	2,070.00
600414	Waseca Fire	10,000.00
22771	Queen Insurance	10,000.00
20121	British Underwriters	10,000.00
224121	Canadian Fire	12,000.00
172221	Royal Insurance	2,000.00
172022	Royal Insurance	2,000.00
74221	Windsor Fire & Marine	10,000.00
202020	Canadian Underwriters	7,200.00
122	Worcestershire Fire Assn.	2,200.00
100102	Provincial Insurance	2,000.00
100101	Provincial Insurance	10,000.00
20047	Northwestern National	7,000.00
20042	Northwestern National	4,000.00
20046	Northwestern National	7,000.00
002	St. Paul Fire & Mar.	22,720.00
224422	Atlas Assurance	20,320.00
22612	British Empire Under.	22,000.00
2012	Springfield Fire & M.	22,000.00
2012	Worcestershire Fire & Mar.	2,000.00
10,000.00	National Union Fire	10,000.00
2,000.00	Calendonian Insurance	2,000.00
20,000.00	Reliance Insurance	20,000.00
20,000.00	St. Paul Fire	20,000.00

(Note: St. Paul 27122 expires on October 10th, 1938 covering Pipe Organ, Convocation Hall.)

EXPIRES MARCH 1st, 1938.

22710	British American	72,000.00
222022	Empire, Star & H. Bond	10,000.00

EXPIRES MARCH 1st, 1929. (Continued)

206821	Hartford Fire	\$10,000.00
303709	Globe Indemnity Co.	10,000.00
102163	Phoenix Fire of Paris	10,000.00
47126	Nova Scotia Fire	20,000.00
668	Springfield Fire	15,000.00
0210326	North British & Mar.	10,000.00
047659	Union of Canton	25,000.00
2244178	Law, Union & Rock	15,000.00
7946	Insce. Co. of State of Pen.	10,000.00
1409	British America	10,000.00
C47646	Union of Canton	35,000.00
0201327	North British & Mar.	18,000.00
6346	American Central	30,000.00
68121	General Accident	10,000.00
67748	Winnipeg Fire	20,000.00
F207681	London Guarantee	35,000.00
5045347	Car & General	10,000.00
506162	Quebec Fire Assurance	25,000.00
134250	Ocean, Accident & Guar.	25,000.00
928828	Patriotic Assurance	10,000.00
52506	Liverpool, London & Globe	5,000.00
2304	Minnesota Underwriters	5,000.00
127680	Dominion of Can. G. & A.	10,000.00
43759	Dominion Fire	5,000.00
4262	British Oak	6,000.00
M53576	Atlas Assurance	10,650.00
95939	British Empire	10,000.00
7205	St. Paul Fire & Marine	30,000.00
71971	Caledonian American	10,000.00
107492	Scottish Metropolitan	10,000.00
12885	New Hampshire Fire	15,000.00

EXPIRES MARCH 1st, 1930.

13282	New Hampshire Fire	2,100.00
83327	Century Insurance	20,000.00
74998	National Fire Insurance	26,000.00
79268	Equitable Fire & Marine	10,000.00
262061	Local Government Guar.	30,000.00
2279101	Law, Union & Rock	15,000.00
44446	Nationale of Paris	2,000.00
127363	British General Insurance	7,000.00
136169	Alliance Insurance	10,500.00
13419	Reliance Insurance	1,000.00
C251091	Autocar Fire & Accident	5,000.00
AA100403	Northwestern Mutual Fire	50,000.00
800142	Canada Accident & Fire	13,000.00
801202	Canada Accident & Fire	10,000.00
814379	Canada Security	10,000.00
215094	National Ben Franklin	10,000.00
44073	Dominion Fire	7,500.00
505518	Canadian Underwriters	10,000.00
4473	Springfield Fire & Marine	4,000.00
95566	British Empire	5,000.00
99934	British Empire	10,000.00
F6182	Home of New York	10,000.00
13086	New Hampshire	6,000.00

EXPIRES MARCH 1st, 1929. (Continued)

208821	Harford Fire	\$10,000.00
203709	Globe Indemnity Co.	10,000.00
103163	Phoenix Fire of Paris	10,000.00
47126	Nova Scotia Fire	20,000.00
668	Springfield Fire	15,000.00
6210326	North British & Mar.	10,000.00
647688	Union of Canton	25,000.00
2244178	Law, Union & Rock	15,000.00
7946	Insur. Co. of State of Penn.	10,000.00
1409	British America	10,000.00
647688	Union of Canton	25,000.00
6201327	North British & Mar.	15,000.00
6546	American Central	20,000.00
62121	General Accident	10,000.00
67748	Windsor Fire	20,000.00
7207681	London Guarantee	25,000.00
5046347	Car & General	10,000.00
506162	Windsor Fire Insurance	25,000.00
134250	Ocean, Accident & Guar.	25,000.00
228228	Windsor Fire Insurance	10,000.00
22506	Liverpool, London & Globe	5,000.00
2304	Minnesota Underwriters	5,000.00
127680	Dominion of Can. G. & A.	10,000.00
42752	Dominion Fire	5,000.00
4262	British Oak	5,000.00
423576	Allies Assurance	10,000.00
22322	British Empire	10,000.00
7202	St. Paul Fire & Marine	20,000.00
71971	Canadian American	10,000.00
107422	British Metropolitan	10,000.00
12825	New Hampshire Fire	15,000.00

EXPIRES MARCH 1st, 1930.

12282	New Hampshire Fire	\$1,000.00
23227	Century Insurance	20,000.00
74928	National Fire Insurance	25,000.00
72288	Windsor Fire & Marine	10,000.00
220261	Local Government Guar.	20,000.00
2278101	Law, Union & Rock	15,000.00
44448	National of Paris	5,000.00
127363	British General Insurance	7,000.00
136162	Alliance Insurance	10,000.00
12419	Reliance Insurance	1,000.00
6251021	Autocar Fire & Accident	5,000.00
44100403	Northwestern Mutual Fire	20,000.00
800142	Canada Accident & Fire	15,000.00
801228	Canada Accident & Fire	10,000.00
814379	Canada Security	10,000.00
215024	National Ben Franklin	10,000.00
44073	Dominion Fire	7,500.00
505215	Canadian Underwriters	10,000.00
4473	Springfield Fire & Marine	4,000.00
95568	British Empire	5,000.00
99324	British Empire	10,000.00
25122	Home of New York	10,000.00
12026	New Hampshire	5,000.00

EXPIRES MARCH 1st, 1930. (continued)

141500	British Northwestern	\$5,000.00
48016	Franklin Fire	7,500.00
(Note: Franklin #48016 covering Dwelling House, 11017-80th Ave., expiring Mar. 14th 1930.)		
7447115	London Assurance	2,000.00
(Note: London #7447115 covering Radio Broadcasting Station expires Nov. 18th, 1930)		
		\$1,259,000.00

UNIVERSITY OF ALBERTA

December 31, 1927.

ROCKEFELLER GRANT

December 31 Balance at Credit of Fund	\$500,000.00
---------------------------------------	--------------

Represented by

- | | |
|--|--------------|
| 1. Province of Alberta Bond,
50 - year 5%
Maturing February 15, 1974 | \$500,000.00 |
|--|--------------|

UNIVERSITY OF ALBERTA

UNIVERSITY OF ALBERTA

Balance at Credit of Fund \$500,000.00

Estimated February 15, 1974 \$500,000.00

ROCKWELLER GRANT

Province of Alberta Bond, 50 - Year 32

\$500,000.00

Balance at Credit of Fund

Represented by

Province of Alberta Bond,

50 - Year 32

Estimated February 15, 1974

\$500,000.00

UNIVERSITY OF ALBERTA

December 31, 1927.

ALBERTA PHARMACEUTICAL ASSOCIATION1926

December 31. Balance at Credit of Fund

\$1,319.37

Interest

53.42

\$1,372.79

1927December 31. Cash in Imperial Bank of
Canada

\$1,372.79

UNIVERSITY OF ALBERTA

December 31, 1927.

SIR JAMES AITKEN SCHOLARSHIP FUND

1926

December 31.	Balance at Credit of Fund	\$2,120.11	
	Interest	<u>126.52</u>	
			\$2,246.63

1927

December 31	Represented by		
	1. Province of Alberta		
	Debenture at 96.44	\$1,952.80	
	2. Cash in Imperial Bank	<u>513.83</u>	
			\$2,246.63

UNIVERSITY OF ALBERTAWOMEN'S UNIVERSITY CLUB SCHOLARSHIP FUND

December 31, 1927

1926

December 31. Balance at Credit of Fund	\$1,768.96	
Interest	108.83	
	<u>1,877.79</u>	
Deduct Scholarship (H.M.Riley)	50.00	\$1,827.79

Represented by

1927

December 31. Cash on hand Imperial Bank of Canada 77.79

3-Dominion of Canada	\$300.00
5 1/2% Gold Bonds due 1934	
2-Dominion of Canada	200.00
5 1/2% Gold Bond due 1934	
3-Province of Alberta 5%	
Bonds due June 1939	300.00
1-Province of Alberta 6%	
Bonds due May 1, 1930	100.00
3-Dominion of Canada 5 1/2%	
Bonds due Nov.1,1934	150.00
1-Dominion of Canada 5 1/2%	
Bonds due Nov.1,1934	500.00
1-Province of Alberta 5%	
Bond due June 1,1939	100.00
1-Province of Alberta 4 1/2%	
Bond due Jan.15,1946	100.00
	<u>\$1,750.00</u>

\$1,827.79

UNIVERSITY OF ALBERTA

WOMEN'S UNIVERSITY CLUB SCHOLARSHIP FUND

December 31, 1937

per 31. Balance at Credit of Fund Interest 1,788.96
 108.83
 1,897.79
 Deduct Scholarship (H.M. Riley) 50.00
 1,847.79

Represented by

per 31. Cash on hand - Imperial Bank of Canada 177.79
 3-Dominion of Canada 300.00
 5 1/2% Gold Bonds due 1934 300.00
 3-Dominion of Canada 300.00
 5 1/2% Gold Bonds due 1934 300.00
 3-Provinces of Alberta 300.00
 Bonds due June 1933 300.00
 1-Provinces of Alberta 100.00
 Bonds due May 1, 1930 100.00
 3-Dominion of Canada 5 1/2% 150.00
 Bonds due Nov. 1, 1934 150.00
 1-Dominion of Canada 5 1/2% 300.00
 Bonds due Nov. 1, 1934 300.00
 1-Provinces of Alberta 100.00
 Bonds due June 1, 1933 100.00
 1-Provinces of Alberta 5 1/2% 100.00
 Bonds due Jan. 1, 1934 100.00
 1,788.96

1,847.79

UNIVERSITY OF ALBERTA

December 31, 1927

STUDENT'S LOAN FUND

1926

December 31.	Balance at Credit of Fund	\$1,042.42
	Interest and Receipts	<u>80.19</u>
		1,122.61
	Less Loan	<u>488.40</u>

\$ 634.21

1927

December 31	Cash on Hand Imperial Bank	
	of Canada	

\$ 634.21

UNIVERSITY OF ALBERTA

December 31, 1927.

LAW LIBRARY FUND

1926

December 31.	Balance at Credit of Fund	\$631.69	
	Interest	<u>19.02</u>	\$650.71

1927

December 31	Cash on hand Imperial Bank of Canada		\$650.71.
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UNIVERSITY OF ALBERTA

December 31, 1927

ALBERTA OPTOMETRY ASSOCIATION

926	Balance at Credit of Fund	\$567.42	
	Receipts and Interest	<u>217.75</u>	
		\$785.17	
	Less Premium on Bond	<u>44.58</u>	\$740.59

Represented by

27	2 1/5% P. of A. Bonds \$100.00		
	due June 1, 1939 at \$98.50 each	197.00	
	P. of A. Bond 1936	500.00	
	Cash on hand Imperial Bank	20.00	
	Cash on hand General Trust	<u>23.59</u>	\$740.59

UNIVERSITY OF ALBERTA

December 31, 1937

ALBERTA OPTOMETRY ASSOCIATION

Balance at Credit of Fund	\$867.48
Receipts and Interest	217.75
	<u>\$1085.23</u>
Less Premium on Bond	44.58
	<u>\$1040.65</u>
Represented by	
2 1/2% P. of A. Bonds \$100.00	
due June 1, 1939 at \$98.50 each	197.00
P. of A. Bond 1936	500.00
Cash on hand Imperial Bank	20.00
Cash on hand General Trust	<u>23.59</u>
	<u>\$1040.59</u>

UNIVERSITY OF ALBERTA

December 31, 1927

WOSHIER MEMORIAL FUND

1926

December 31	Balance at Credit of Fund	\$403.66	
	Interest	<u>15.09</u>	
		418.75	
	Less Payments	<u>20.00</u>	\$398.75

Represented by

1927

December 31	Three P. of A. Bonds due Jan. 15 1946	\$285.00	
	P. of A. Savings Certificates	65.00	
	Cash in Imperial Bank of Canada	<u>48.75</u>	
			\$398.75

UNIVERSITY OF ALBERTA

December 31, 1937

MOSELEY MEMORIAL FUND

1937	Balance at Credit of Fund	
December 31	Balance at Credit of Fund	\$403.66
	Interest	15.09
		<u>418.75</u>
	Less Payments	20.00
		<u>\$398.75</u>
1937	December 31 Three P. of A. Bonds due Jan. 15 1936	\$236.00
	E. of A. Savings Certificates	58.00
	Cash in Imperial Bank of Canada	<u>48.75</u>
		<u>\$398.75</u>

UNIVERSITY OF ALBERTA

December 31, 1927

STUDENTS' UNION RINK FUND

1926	Balance at Credit of Fund	\$600.00
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Represented by

Six P. of A. Savings Certificates 600.00

51

UNIVERSITY OF ALBERTA

December 31, 1937

STUDENTS' UNION FUND

1936 Balance at Credit of Fund \$600.00

Represented by

Six P. of A. Savings Certificates 600.00

UNIVERSITY OF ALBERTA

December 31, 1926

WOMEN'S UNIVERSITY CLUB LOAN FUND

1926

December 31.	Balance at Credit of Funds	236.07	
	Interest and payment of Fees	<u>35.53</u>	
		271.60	
	Loan	<u>74.00</u>	
			\$197.60

Represented by

1927

December 31.	Cash on hand Imperial Bank of Canada.		\$197.60
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UNIVERSITY OF ALBERTA

December 31, 1936

WOMEN'S UNIVERSITY CLUB LOAN FUND

1936

December 31. Balance at Credit of Funds 236.00

Interest and payment of Fees 55.53

271.60

74.00

Loan

\$197.60

Represented by

1937

December 31. Cash on hand Imperial Bank

\$197.60 of Canada.

UNIVERSITY OF ALBERTA

December 31, 1927

19th ALBERTA BRAGOONS I.O.D.F.

1926

December 31	Balance at Credit of Fund	\$66.19	
	Interest	<u>1.96</u>	\$68.15

Represented by

1927

December 31	Cash in Imperial Bank	
	of Canada	\$68.15

UNIVERSITY OF ALBERTA

December 31, 1937

19th ALBERTA BRACCOONS I.O.D.N.

1936
1937

December 31 Balance at Credit of Fund \$66.15
Interest 1.96 \$68.15

Represented by

1937

December 31 Cash in Imperial Bank

of Canada \$68.15

UNIVERSITY OF ALBERTA

December 31, 1927

WOMEN'S UNIVERSITY CLUB

Colonial History Book Account

1926

December 31 Balance at Credit of Fund	\$51.14	
Interest	<u>1.46</u>	\$52.60

1927

December 31 Cash on hand Imperial Bank of Canada		\$52.60
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UNIVERSITY OF ALBERTA

UNIVERSITY OF ALBERTA

December 31, 1937

WOMEN'S UNIVERSITY CLUB

Colonial History Book Account

1936

December 31 Balance at Credit of Fund

Interest 1.46 \$51.14 \$52.60

1937

December 31 Cash in Imperial Bank

of Canada \$51.14

December 31 Cash on hand Imperial Bank

of Canada \$52.60

UNIVERSITY OF ALBERTA

December 31, 1927

DR. BLAIS PRIZE

1926

December 31 Balance at Credit of Fund	\$12.15
Interest	<u>.36</u> \$12.51

1927

December 31 Cash on hand Imperial Bank of Canada	\$12.51
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UNIVERSITY OF ALBERTA

December 31, 1927

December 31, 1927

DR. BRAIS PRIN

1926

December 31 Balance at Credit of Fund \$12.15

December 31 Balance Interest of Fund 12.15

Interest 12.15

1927

December 31 Cash on hand Imperial Bank

of Canada of Canada \$12.51

